

To: Atkinson, Emily[Atkinson.Emily@epa.gov]
Cc: Laurie Holmes[lholmes@mema.org]
From: Briana Huxley
Sent: Thur 2/1/2018 3:52:14 PM
Subject: MEMA Speaking Invitation - April 10, 2018
[2018 MEMA Summit Invite - Asst. Administrator Wehrum.pdf](#)

Good morning Emily,

Nice to meet you via email! MEMA would like to invite Administrator Wehrum to speak at our annual Legislative Summit, on fuel efficiency and emissions standards, including CAFE and GHG emissions, issues critical to vehicle suppliers.

The time slot is between 10:00 a.m. and 2:00 p.m. on April 10, 2018 at the Mandarin Oriental Hotel in Washington, D.C. However, the schedule is flexible, and we can accommodate your availability.

The formal invitation is attached.

Let me know if you need anything else!

Thanks,

Briana

Briana Huxley

Communications Manager | Motor & Equipment Manufacturers Association

1030 15th St NW, Suite 500 East | Washington, DC 20005

202.312.9242 | mema.org

2018 
LEGISLATIVE
SUMMIT

April 10-11 | Washington, DC

www.mema.org/dcsummit

To: Atkinson, Emily[Atkinson.Emily@epa.gov]
Cc: Shea, Quin[QShea@eei.org]; Loving, Shanita[Loving.Shanita@epa.gov]; Lewis, Josh[Lewis.Josh@epa.gov]; Millett, John[Millett.John@epa.gov]; DeLuca, Isabel[DeLuca.Isabel@epa.gov]
From: Kinsman, John
Sent: Mon 11/27/2017 4:24:39 PM
Subject: RE: speaking engagement Dec. 6 at EEI
Bill Wehrum Event Form AA EEI December 6 2017.docx

Emily – attached is the completed form. Please send a bio for Bill so we can include it in the information kit for the attendees.

Thanks very much,

John

From: Kinsman, John
Sent: Wednesday, November 22, 2017 10:39 AM
To: 'Atkinson, Emily'
Cc: Shea, Quin; Loving, Shanita; Lewis, Josh; Millett, John; DeLuca, Isabel
Subject: RE: speaking engagement Dec. 6 at EEI

Emily and colleagues – this works perfectly for EEI. We will return a completed form by November 27.

We wish you a Happy Thanksgiving,

John

From: Atkinson, Emily [mailto:Atkinson.Emily@epa.gov]
Sent: Wednesday, November 22, 2017 10:19 AM
To: Kinsman, John
Cc: Shea, Quin; Loving, Shanita; Lewis, Josh; Millett, John; DeLuca, Isabel

Subject: RE: speaking engagement Dec. 6 at EEI

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Hi John,

Bill Wehrum has reviewed this request and asked that we arrange a one hour time slot for him to participate in this EEI event. He would be accompanied by David Harlow and Mandy Gunasekara.

It looks like we could fit this in on Wednesday, December 6, 2017 at 10:30am for one hour at EEI's offices.

If this works on your end, please let us know.

Also, please fill out the attached form to help better inform us about your event.

Thank you.

Emily

Emily Atkinson
Management Analyst/Office Manager

Immediate Office of the Acting Assistant Administrator
Office of Air and Radiation, USEPA
Room 5412B, 1200 Pennsylvania Avenue NW

Washington, DC 20460
Voice: 202-564-1850
Email: atkinson.emily@epa.gov

From: Kinsman, John [<mailto:JKinsman@eei.org>]
Sent: Monday, November 20, 2017 2:31 PM
To: Loving, Shanita <Loving.Shanita@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>;
Atkinson, Emily <Atkinson.Emily@epa.gov>
Cc: Shea, Quin <QShea@eei.org>
Subject: FW: speaking engagement Dec. 6 at EEI

Shanita –

Thanks for discussing our invite for Bill Wehrum to speak on December 6 at the Edison Electric Institute (EEI), located just a few blocks away (701 Pennsylvania Avenue).

I discussed this event with Bill prior to his confirmation and he requested that I follow up after he arrived at the agency. As noted in a separate e-mail to Bill (see below), we are targeting the late morning (e.g., 10:30-11:30) but could accommodate any window of time after 10:00 a.m. through late afternoon.

My contact information can be found at the end of the e-mail and I would be glad to provide additional details.

John Kinsman

Senior Director, Environment

From: Kinsman, John
Sent: Sunday, November 19, 2017 9:12 PM
To: 'wehrum.william@epa.gov'

Subject: speaking engagement Dec. 6 at EEI

Bill – Congratulations on your Senate confirmation.

I am following up on EEI's request for you to address our environmental committees on December 6 in the late morning (although we might be able to fit you in later in the day also).

The core audience is the Air Quality Subcommittee, co-chaired by Ameren's Steve Whitworth and Dominion's Lenny Dupuis; previously John McManus led the committee for a decade or so. EEI membership includes all U.S. shareholder utility companies, plus TVA.

Thanks very much for considering our request.

John

John Kinsman

Sr. Director, Environment

Edison Electric Institute

701 Pennsylvania Avenue, N.W.

Washington, D.C. 20004

202/508-5711 (p)

202/255-9531 (cell)

jkinsman@eei.org

To: Atkinson, Emily[Atkinson.Emily@epa.gov]
Cc: Millett, John[Millett.John@epa.gov]; DeLuca, Isabel[DeLuca.Isabel@epa.gov]; Loving, Shanita[Loving.Shanita@epa.gov]
From: Jaber, Makram
Sent: Mon 11/27/2017 1:18:20 PM
Subject: RE: Invitation to speak
[Even Information Form -- Wehrum -- 12-7-17 67350084 1-c.DOCX](#)

Hi Emily,

Thank you! Thursday, December 7 at 3:00 pm works for us. We greatly appreciate the AA's willingness to speak to our group.

Please find attached the completed event form.

Please let me know if you need other information.

Best Regards.

Makram Jaber

From: Atkinson, Emily [mailto:Atkinson.Emily@epa.gov]
Sent: Wednesday, November 22, 2017 2:25 PM
To: Jaber, Makram
Cc: Millett, John; DeLuca, Isabel; Loving, Shanita
Subject: FW: Invitation to speak

Hi Makram,

Bill Wehrum has reviewed this request and asked that I get in touch with you to make arrangements for him to participate in this event.

It looks like we could fit this in as a one hour speech at the Hunton office on Thursday, December 7 at 3:00pm. I will hold that time on Bill's calendar until I hear back from you, so please advise if this could work on your end.

Also, fill out and return the attached event form no later than Friday, December 1.

Thank you.

Emily

Emily Atkinson
Management Analyst/Office Manager

Immediate Office of the Acting Assistant Administrator
Office of Air and Radiation, USEPA
Room 5412B, 1200 Pennsylvania Avenue NW
Washington, DC 20460
Voice: 202-564-1850
Email: atkinson.emily@epa.gov

From: Jaber, Makram [<mailto:mjaber@hunton.com>]
Sent: Tuesday, November 21, 2017 6:21 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Invitation to speak

Dear Bill,

On behalf of American Electric Power, The Southern Company, Duke Energy, Dominion Energy, and the Utility Air Regulatory Group, I am pleased to invite you to speak to our group regarding air regulations and regulatory outlook. Our meeting is on the afternoon of Thursday, December 7, and the morning of Friday, December 8. We are flexible in terms of what time you

would speak to us within those periods, so we ask you to let us know what time would be best for you.

Best Regards,

Makram



Makram Jaber

Partner

mjaber@hunton.com

p 202.955.1567

f 202.828.3750

[bio](#) | [vCard](#)

Hunton & Williams LLP
2200 Pennsylvania Avenue, NW
Washington, DC 20037

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To: DeLuca, Isabel[DeLuca.Isabel@epa.gov]
Cc: Atkinson, Emily[Atkinson.Emily@epa.gov]
From: Michelle Hernandez
Sent: Fri 1/26/2018 7:13:30 PM
Subject: RE: Global Automakers: Invitation to Board of Directors meeting
Event Form OAR AA--Bill Wehrum.DOCX

Hi Isabel,

We appreciate your prompt response and are happy that Bill can attend our meeting. Please see the completed speakers' form attached. 3:15-4 PM ET works really well.

Would you like me to send an Outlook invite to hold the slot on his calendar? Please let me know what is easiest for you and your team.

Thanks!

Michelle

Michelle Hernandez

Executive Assistant to John Bozzella and Ellen Gleberman

Association of Global Automakers, Inc.(Global Automakers)

202.650.5545(direct)

mhernandez@globalautomakers.org

From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov]
Sent: Friday, January 26, 2018 11:06 AM
To: Michelle Hernandez <mhernandez@globalautomakers.org>
Cc: Atkinson, Emily <Atkinson.Emily@epa.gov>
Subject: RE: Global Automakers: Invitation to Board of Directors meeting

Dear Michelle,

Thank you for your recent invitation for Bill Wehrum to speak at the Global Automakers' Board of Directors Meeting on February 15th. Bill would be pleased to attend. He has a number of meetings scheduled on that day, but he would be available from 3:15-4:00 pm. Would that time work?

Also, attached is a speaker request form. If you could please fill that out and return to us, that would be great.

Many thanks,

Isabel DeLuca

Deputy Director, Communications

Office of Air and Radiation, US EPA

(202) 343-9247

From: Atkinson, Emily
Sent: Friday, January 26, 2018 10:56 AM
To: Millett, John <Millett.John@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Cc: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Global Automakers: Invitation to Board of Directors meeting

Isabel / John – They are asking for the afternoon on 2/15 and we already have a number of meetings scheduled but we do have a window to work with. Could you see if they could do 3:15 – 4pm? I will put a hold on now and wait to hear back if you all could confirm it with the requestor.

From: Michelle Hernandez [<mailto:mhernandez@globalautomakers.org>]

Sent: Tuesday, January 23, 2018 3:04 PM

To: Lewis, Josh <Lewis.Josh@epa.gov>

Cc: Loving, Shanita <Loving.Shanita@epa.gov>; Atkinson, Emily <Atkinson.Emily@epa.gov>; Julia Rege <JRege@globalautomakers.org>; Steve Gehring <sgehring@globalautomakers.org>

Subject: Global Automakers: Invitation to Board of Directors meeting

Dear Josh,

Attached please find a formal invitation letter for Assistant Administrator Bill Wehrum for our February 15, 2018 Board of Directors meeting. Mr. Wehrum is aware of this request and we hope to receive a positive confirmation of his attendance soon.

Thank you,

Michelle

Michelle Hernandez

Executive Assistant to John Bozzella and Ellen Gleberman

Association of Global Automakers, Inc.(Global Automakers)

1050 K Street, NW, Suite 650

Washington, DC 20001

202.650.5545(direct)

202.650.5555 (main)

mhernandez@globalautomakers.org



To: Field, Andrea[afield@hunton.com]
Cc: Atkinson, Emily[Atkinson.Emily@epa.gov]
From: DeLuca, Isabel
Sent: Tue 3/20/2018 8:29:40 PM
Subject: FW: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum
[Event Form OAR \(for ACOEL Interview with Bill Wehrum 68823133 1.DOCX\)](#)

Many thanks! We'll work to get this firmed up on his schedule and will reach out if we have questions. We can also follow up soon with details about meeting here at EPA.

Thanks again,
Isabel

From: Field, Andrea [mailto:afield@hunton.com]
Sent: Tuesday, March 20, 2018 4:01 PM
To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum

Dear Isabel –

Attached is a completed “event form.” If you need any additional information, please let me know. Thank you for your help.

Andrea Field



Andrea Field

Partner

afield@hunton.com
p 202.955.1558

[bio](#) | [vCard](#)

Hunton & Williams LLP
2200 Pennsylvania Avenue, NW
Washington, DC 20037

[hunton.com](#)

From: DeLuca, Isabel [<mailto:DeLuca.Isabel@epa.gov>]
Sent: Monday, March 19, 2018 5:12 PM
To: Field, Andrea
Subject: RE: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum

Thanks, Andrea. Bill is traveling on April 11 and 12, so wouldn't be available those days, but his schedule is still pretty open the week of April 23-27, especially on the 27th. Would you be willing to fill out a speaker request form (attached) with your preferred time? This will help us schedule it. I'll get back to you on the question about live Q&A as soon as possible.

Many thanks,

Isabel

From: Field, Andrea [<mailto:afield@hunton.com>]
Sent: Monday, March 19, 2018 5:01 PM
To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum

Thank you so much for getting back to me, Ms. DeLuca. Because I am going to be traveling for much of the first few weeks in April, I am wondering if it would be possible to schedule the interview later in April – either on April 11 or 12, or on any day during the last week of that month (the week of April 23-27). If we can set up the interview during any of those days, I would be able to come to EPA for the interview.

As far as interview topics are concerned, I think that members of the College of Environmental Lawyers would like to hear Bill talk about his top priorities for the next few years: what he thinks are the most important issues to address in the immediate future and his thoughts about how best to tackle those issues – whether through rulemaking or other mechanisms. Also, would Bill be willing to let the last part of the interview session be in a Q and A format? That way, our members – who will be calling in to hear the interview – would have a chance to raise issues of most interest to them.

Again, thank you for getting back to me. I look forward to hearing back from you about Bill's availability later in April.

Andrea Field



Andrea Field

Partner

afield@hunton.com

p 202.955.1558

[bio](#) | [vCard](#)

Hunton & Williams LLP
2200 Pennsylvania Avenue, NW
Washington, DC 20037

hunton.com

From: DeLuca, Isabel [<mailto:DeLuca.Isabel@epa.gov>]
Sent: Monday, March 19, 2018 3:44 PM
To: Field, Andrea
Subject: FW: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum

Dear Ms. Field,

Emily Atkinson forwarded me your request for an interview with Bill Wehrum on behalf of the ACOEL.

Bill would be happy to have an interview with you, and I am writing to see about scheduling. Would you prefer an interview by phone, or in person? If in person, would it be possible for you to come to EPA? As far as dates, Bill's schedule is fairly booked for the next couple of weeks, but looking ahead, the week of April 2nd is more open, if there is a time that week that would work for you. On April 5th, Bill's schedule is flexible between 11AM and 4PM, and on April 6th, his schedule is flexible between 10AM and 2PM.

Please let me know some times that would work for you, and we can put this on Bill's calendar. Also, if you could let me know the topics you would like to cover, that would be great.

Many thanks,

Isabel DeLuca

Deputy Director of Communications

Office of Air and Radiation, US EPA

(202) 343-9247

From: Field, Andrea [<mailto:afield@hunton.com>]
Sent: Thursday, February 15, 2018 4:12 PM
To: Atkinson, Emily <Atkinson.Emily@epa.gov>
Subject: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum

Ms. Atkinson –

The American College of Environmental Lawyers (ACOEL) is a professional association of lawyers who practice in the field of environmental law and who are dedicated to maintaining and improving the ethical practice of environmental law. See www.acoel.org. On behalf of the ACOEL, I am asking if a time can be arranged for one of our members to interview Assistant Administrator Wehrum. The interview would likely be conducted by the current president of the ACOEL – John Cruden – or by me (I am a former partner of Bill's).

If you need any additional information on the ACOEL or about topics that might be covered in the interview, please let me know. Thank you in advance for considering this request.

Andrea Field



Andrea Field

Partner

afield@hunton.com

p 202.955.1558

[bio](#) | [vCard](#)

Hunton & Williams LLP
2200 Pennsylvania Avenue, NW
Washington, DC 20037

hunton.com

To: mhernandez@globalautomakers.org[mhernandez@globalautomakers.org]
Cc: Atkinson, Emily[Atkinson.Emily@epa.gov]
From: DeLuca, Isabel
Sent: Fri 1/26/2018 4:05:58 PM
Subject: RE: Global Automakers: Invitation to Board of Directors meeting
[BODFebInvitationBillWehrum.pdf](#)
[Event Form OAR AA.DOCX](#)

Dear Michelle,

Thank you for your recent invitation for Bill Wehrum to speak at the Global Automakers' Board of Directors Meeting on February 15th. Bill would be pleased to attend. He has a number of meetings scheduled on that day, but he would be available from 3:15-4:00 pm. Would that time work?

Also, attached is a speaker request form. If you could please fill that out and return to us, that would be great.

Many thanks,

Isabel DeLuca

Deputy Director, Communications

Office of Air and Radiation, US EPA

(202) 343-9247

From: Atkinson, Emily
Sent: Friday, January 26, 2018 10:56 AM
To: Millett, John <Millett.John@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Cc: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Global Automakers: Invitation to Board of Directors meeting

Isabel / John – They are asking for the afternoon on 2/15 and we already have a number of meetings scheduled but we do have a window to work with. Could you see if they could do 3:15 – 4pm? I will put a hold on now and wait to hear back if you all could confirm it with the requestor.

From: Michelle Hernandez [<mailto:mhernandez@globalautomakers.org>]

Sent: Tuesday, January 23, 2018 3:04 PM

To: Lewis, Josh <Lewis.Josh@epa.gov>

Cc: Loving, Shanita <Loving.Shanita@epa.gov>; Atkinson, Emily <Atkinson.Emily@epa.gov>; Julia Rege <JRege@globalautomakers.org>; Steve Gehring <sgehring@globalautomakers.org>

Subject: Global Automakers: Invitation to Board of Directors meeting

Dear Josh,

Attached please find a formal invitation letter for Assistant Administrator Bill Wehrum for our February 15, 2018 Board of Directors meeting. Mr. Wehrum is aware of this request and we hope to receive a positive confirmation of his attendance soon.

Thank you,

Michelle

Michelle Hernandez

Executive Assistant to John Bozzella and Ellen Gleberman

Association of Global Automakers, Inc.(Global Automakers)

1050 K Street, NW, Suite 650

Washington, DC 20001

202.650.5545(direct)

202.650.5555 (main)

mhernandez@globalautomakers.org



To: DeLuca, Isabel[DeLuca.Isabel@epa.gov]
Cc: Catherine Boland[cboland@MEMA.ORG]; Atkinson, Emily[Atkinson.Emily@epa.gov]
From: Briana Huxley
Sent: Fri 3/16/2018 3:30:11 PM
Subject: RE: MEMA Speaking Invitation - April 10, 2018
[Event Form OAR AA.DOCX](#)
[MEMA Summit18 Agenda 3.16.18.pdf](#)

Hi Isabel,

Thanks so much! I've attached the completed event form and current agenda.

Have a great weekend,

Briana

From: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Sent: Thursday, March 15, 2018 3:21 PM
To: Briana Huxley <bhuxley@mema.org>
Cc: Catherine Boland <cboland@mema.org>; Atkinson, Emily <Atkinson.Emily@epa.gov>
Subject: RE: MEMA Speaking Invitation - April 10, 2018

Hi Briana,

I believe that 11:15 am on April 10th will work for Bill. I'll send you a confirmation on timing on Monday when I can consult with the scheduling folks. If you don't hear back from me by Monday afternoon, please feel free to send me a nudge!

Thanks,
Isabel

From: Briana Huxley [<mailto:bhuxley@mema.org>]
Sent: Thursday, March 15, 2018 3:10 PM
To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>

Cc: Catherine Boland <cboland@MEMA.ORG>
Subject: RE: MEMA Speaking Invitation - April 10, 2018

That's great, thanks so much! I will fill out the attached. Would 11:15 am on the 10th work?

Thanks,

Briana

From: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Sent: Thursday, March 15, 2018 1:57 PM
To: Briana Huxley <bhuxley@mema.org>
Subject: FW: MEMA Speaking Invitation - April 10, 2018

Hi Briana,

Thank you for your invitation to Bill Wehrum to speak at the MEMA annual Legislative Summit on April 10. I'm not sure if anyone has responded to you yet, and if not, my apologies!

Bill is happy to accept your invitation. If you could fill out the attached speaker request form, that would be ideal. Right now, his schedule is somewhat flexible within the 10AM-2PM slot that you indicated, so if you have a preferred time within that block, please let us know.

Many thanks,

Isabel

From: Briana Huxley [<mailto:bhuxley@mema.org>]
Sent: Thursday, February 01, 2018 10:52 AM
To: Atkinson, Emily <Atkinson.Emily@epa.gov>
Cc: Laurie Holmes <lholfmes@mema.org>
Subject: MEMA Speaking Invitation - April 10, 2018

Good morning Emily,

Nice to meet you via email! MEMA would like to invite Administrator Wehrum to speak at our annual Legislative Summit, on fuel efficiency and emissions standards, including CAFE and GHG emissions, issues critical to vehicle suppliers.

The time slot is between 10:00 a.m. and 2:00 p.m. on April 10, 2018 at the Mandarin Oriental Hotel in Washington, D.C. However, the schedule is flexible, and we can accommodate your availability.

The formal invitation is attached.

Let me know if you need anything else!

Thanks,

Briana

Briana Huxley

Communications Manager | Motor & Equipment Manufacturers Association

1030 15th St NW, Suite 500 East | Washington, DC 20005

202.312.9242 | memaprogram.org

2018 
**LEGISLATIVE
SUMMIT**

April 10-11 | Washington, DC

www.mema.org/dcsummit

To: Wehrum, Bill[Wehrum.Bill@epa.gov]
Cc: Loving, Shanita[Loving.Shanita@epa.gov]; Atkinson, Emily[Atkinson.Emily@epa.gov]; Lewis, Josh[Lewis.Josh@epa.gov]
From: Shea, Quin
Sent: Tue 12/12/2017 4:29:14 PM
Subject: Meeting Request

Bill: Thanks again for participating last week in EEI's environmental committee meetings. Based on the extensive feedback I've received subsequently from my staff and numerous company officials, your remarks and the ensuing discussion were extremely well received. I'm sorry that I wasn't able to be there, but—and I think this may have come up in passing the last time you and I chatted in person—my wife has been very ill the past couple of years and had to have emergency surgery last week.

Anyway, I am hoping to get on your calendar to both provide some additional insights on major issues of mutual interest and to explore opportunities to further enhance the constructive relationship that exists between EEI and your team. Recognizing that the holiday season is upon us, but also that the relative quiet of late December potentially affords some quality down time, do you have a small window sometime over the next couple of weeks? Let me know. Cheers, Quin

Quinlan J. Shea, III (Quin)
Vice President, Environment
Edison Electric Institute
701 Pennsylvania Avenue, NW
Washington, DC 20004
202-508-5027
qshea@eei.org

To: mjaber@hunton.com[mjaber@hunton.com]
Cc: Millett, John[Millett.John@epa.gov]; DeLuca, Isabel[DeLuca.Isabel@epa.gov]; Atkinson, Emily[Atkinson.Emily@epa.gov]; Lewis, Josh[Lewis.Josh@epa.gov]
From: Stevens, Katherine
Sent: Wed 12/6/2017 2:43:48 PM
Subject: Bill Wehrum PowerPoint for 12/07/17
Wehrum AEP.PPTX

Good morning, Mr. Jaber.

Attached is the PowerPoint for Mr. Wehrum's speech tomorrow.

Let us know if you need anything else.

Best,

Kati Stevens

Kati Stevens

Public Affairs Specialist

Office of Air and Radiation

U.S. Environmental Protection Agency

Desk: (202)-564-3251



Please consider the environment before printing this e-mail

To: jkinsman@eei.org[jkinsman@eei.org]; Shea, Quin[QShea@eei.org]
Cc: Lewis, Josh[Lewis.Josh@epa.gov]; Millett, John[Millett.John@epa.gov]; Atkinson, Emily[Atkinson.Emily@epa.gov]
From: DeLuca, Isabel
Sent: Tue 12/5/2017 2:32:37 PM
Subject: RE: speaking engagement Dec. 6 at EEI
Wehrum EEI 12.6.17.PPTX

Hi John,

Attached are slides for Bill's presentation at EEI tomorrow. Please let us know if you have any questions or concerns!

Thank you,

Isabel DeLuca

Isabel DeLuca

Deputy Director, Communications
Office of Air and Radiation, US EPA

(202) 343-9247

From: Atkinson, Emily
Sent: Wednesday, November 29, 2017 11:57 AM
To: Shea, Quin <QShea@eei.org>; jkinsman@eei.org
Cc: Loving, Shanita <Loving.Shanita@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Millett, John <Millett.John@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Holdsworth, Eric <EHoldsworth@eei.org>; Trueheart, Cynthia <CTrueheart@eei.org>
Subject: RE: speaking engagement Dec. 6 at EEI

Wonderful – thank you Quin! This new time slot of 11:30am – 12:30pm is confirmed on

Bill's calendar.

Emily Atkinson
Management Analyst/Office Manager

Immediate Office of the Assistant Administrator
Office of Air and Radiation, USEPA
Room 5412B, 1200 Pennsylvania Avenue NW
Washington, DC 20460
Voice: 202-564-1850
Email: atkinson.emily@epa.gov

From: Shea, Quin [<mailto:QShea@eei.org>]
Sent: Wednesday, November 29, 2017 11:53 AM
To: Atkinson, Emily <Atkinson.Emily@epa.gov>; jkinsman@eei.org
Cc: Loving, Shanita <Loving.Shanita@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Millett, John <Millett.John@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Holdsworth, Eric <EHoldsworth@eei.org>; Trueheart, Cynthia <CTrueheart@eei.org>
Subject: RE: speaking engagement Dec. 6 at EEI

Hi Emily. I hope you are doing well and plan to take advantage of some quality down time in the coming weeks!

I'm assuming John has not yet responded—ironically, he is in a meeting right now with several of your OAR team members—so let me jump in here. I'm thrilled that Bill and others are able to join us next Wednesday, so have zero problem in accommodating his scheduling needs. We'll plan on the 11:30 am-12:30 pm window. Thanks again for your help. Best, Quin

From: Atkinson, Emily [<mailto:Atkinson.Emily@epa.gov>]
Sent: Wednesday, November 29, 2017 10:22 AM
To: Kinsman, John <JKinsman@eei.org>
Cc: Shea, Quin <QShea@eei.org>; Loving, Shanita <Loving.Shanita@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Millett, John <Millett.John@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: speaking engagement Dec. 6 at EEI

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Hi John,

Bill Wehrum has had a scheduling conflict arise and can no longer participate at 10am in the EEI program.

Any chance you all could accommodate moving him to 11:30am – 12:30pm?

Emily

Emily Atkinson
Management Analyst/Office Manager

Immediate Office of the Assistant Administrator
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Room 5412B, 1200 Pennsylvania Avenue NW
Washington, DC 20460
Voice: 202-564-1850
Email: atkinson.emily@epa.gov

From: Kinsman, John [<mailto:JKinsman@eei.org>]
Sent: Monday, November 27, 2017 11:25 AM
To: Atkinson, Emily <Atkinson.Emily@epa.gov>
Cc: Shea, Quin <QShea@eei.org>; Loving, Shanita <Loving.Shanita@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Millett, John <Millett.John@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: speaking engagement Dec. 6 at EEI

Emily – attached is the completed form. Please send a bio for Bill so we can include it in the information kit for the attendees.

Thanks very much,

John

From: Kinsman, John
Sent: Wednesday, November 22, 2017 10:39 AM
To: 'Atkinson, Emily'
Cc: Shea, Quin; Loving, Shanita; Lewis, Josh; Millett, John; DeLuca, Isabel
Subject: RE: speaking engagement Dec. 6 at EEI

Emily and colleagues – this works perfectly for EEI. We will return a completed form by November 27.

We wish you a Happy Thanksgiving,

John

From: Atkinson, Emily [<mailto:Atkinson.Emily@epa.gov>]
Sent: Wednesday, November 22, 2017 10:19 AM
To: Kinsman, John
Cc: Shea, Quin; Loving, Shanita; Lewis, Josh; Millett, John; DeLuca, Isabel
Subject: RE: speaking engagement Dec. 6 at EEI

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Mimecast Attachment Protection has deemed this file to be safe, but always exercise caution when opening files

Hi John,

Bill Wehrum has reviewed this request and asked that we arrange a one hour time slot for him to participate in this EEI event. He would be accompanied by David Harlow and Mandy Gunasekara.

It looks like we could fit this in on Wednesday, December 6, 2017 at 10:30am for one hour at EEI's offices.

If this works on your end, please let us know.

Also, please fill out the attached form to help better inform us about your event.

Thank you.

Emily

Emily Atkinson
Management Analyst/Office Manager

Immediate Office of the Acting Assistant Administrator
Office of Air and Radiation, USEPA
Room 5412B, 1200 Pennsylvania Avenue NW
Washington, DC 20460
Voice: 202-564-1850
Email: atkinson.emily@epa.gov

From: Kinsman, John [<mailto:JKinsman@eei.org>]
Sent: Monday, November 20, 2017 2:31 PM
To: Loving, Shanita <Loving.Shanita@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>;
Atkinson, Emily <Atkinson.Emily@epa.gov>

Cc: Shea, Quin <QShea@eei.org>

Subject: FW: speaking engagement Dec. 6 at EEI

Shanita –

Thanks for discussing our invite for Bill Wehrum to speak on December 6 at the Edison Electric Institute (EEI), located just a few blocks away (701 Pennsylvania Avenue).

I discussed this event with Bill prior to his confirmation and he requested that I follow up after he arrived at the agency. As noted in a separate e-mail to Bill (see below), we are targeting the late morning (e.g., 10:30-11:30) but could accommodate any window of time after 10:00 a.m. through late afternoon.

My contact information can be found at the end of the e-mail and I would be glad to provide additional details.

John Kinsman

Senior Director, Environment

From: Kinsman, John

Sent: Sunday, November 19, 2017 9:12 PM

To: 'wehrum.william@epa.gov'

Subject: speaking engagement Dec. 6 at EEI

Bill – Congratulations on your Senate confirmation.

I am following up on EEI's request for you to address our environmental committees on December 6 in the late morning (although we might be able to fit you in later in the day also).

The core audience is the Air Quality Subcommittee, co-chaired by Ameren's Steve Whitworth and Dominion's Lenny Dupuis; previously John McManus led the committee for a decade or so. EEI membership includes all U.S. shareholder utility companies, plus TVA.

Thanks very much for considering our request.

John

John Kinsman

Sr. Director, Environment

Edison Electric Institute

701 Pennsylvania Avenue, N.W.

Washington, D.C. 20004

202/508-5711 (p)

202/255-9531 (cell)

jkinsman@eei.org

To: Charmley, William[charmley.william@epa.gov]
Cc: Cerisse Holliman[cholliman@autoalliance.org]; Chris Nevers[CNevers@autoalliance.org]; Watkins, Erica[Watkins.Erica@epa.gov]; Julia Rege[jrege@globalautomakers.org]; Watkins, Erica[Watkins.Erica@epa.gov]; Atkinson, Emily[Atkinson.Emily@epa.gov]
From: Jeff Beck
Sent: Thur 1/4/2018 5:34:26 PM
Subject: RE: Follow up: North American International Auto Show and the Reception/Dinner
CARBPA NAIAS Tour Schedule.docx

Bill,

Attached is a draft schedule for your tour. Please note that this may have a few tweaks before the show, but the companies you will be visiting and start/end times will most likely stay the same. As you can probably tell by the title of the file, the tour will also include individuals from CARB. There is also a possibility of a small number of DOT representatives may join this tour, but we do not know for sure at this time.

Thank you for the updated list.

--Jeff

From: Charmley, William [mailto:charmley.william@epa.gov]
Sent: Thursday, January 4, 2018 8:54 AM
To: Jeff Beck <JBeck@autoalliance.org>
Cc: Cerisse Holliman <cholliman@autoalliance.org>; Chris Nevers <CNevers@autoalliance.org>; Watkins, Erica <Watkins.Erica@epa.gov>; Julia Rege <jrege@globalautomakers.org>; Watkins, Erica <Watkins.Erica@epa.gov>; Atkinson, Emily <Atkinson.Emily@epa.gov>
Subject: RE: Follow up: North American International Auto Show and the Reception/Dinner

Dear Jeff –

Would it be possible to receive a draft tour agenda for the auto show for the EPA group by the end of this week? Also, do you know if there are other participants who will be part of the EPA

tour group? In the past, depending on the year, we have had representatives from NHTSA, CARB, and I think NESCAUM

Also, I have a minor update to the EPA participants. I know Emily already informed you that Clint Woods, the new EPA Office of Air and Radiation Deputy Assistant Administrator will also be attending. I wanted to let you know that Lee Cook will not be able to attend. Here is our updated list of participants.

EPA Press Day Preview Participation (updated on Jan 4, 2018)

- [REDACTED] Bill Wehrum, Assistant Administrator, EPA Office of Air and Radiation
- [REDACTED] Mandy Gunasekara, Principle Deputy Assistant Administrator, EPA Office of Air and Radiation
- [REDACTED] Clint Woods, Deputy Assistant Administrator, EPA Office of Air and Radiation
- [REDACTED] David Harlow, counselor to the Assistant Administrator (note, I don't know if this is David correct title)
- [REDACTED] Chris Grundler, Director, Office of Transportation and Air Quality
- [REDACTED] Karl Simon, Director, Transportation and Climate Division
- [REDACTED] David Haugen, Director, Testing and Advanced Technology Division
- [REDACTED] Bill Charmley, Director, Assessment and Standards Division

Tuesday Dinner Participation:

- [REDACTED] Bill Wehrum

- [REDACTED] Mandy Gunasekara
- [REDACTED] David Harlow
- [REDACTED] Chris Grundler
- [REDACTED] Karl Simon
- [REDACTED] Bill Charmley

From: Charmley, William
Sent: Friday, December 08, 2017 4:04 PM
To: 'Jeff Beck' <JBeck@autoalliance.org>
Cc: 'Cerisse Holliman' <cholliman@autoalliance.org>; 'CNevers@autoalliance.org' <CNevers@autoalliance.org>; Watkins, Erica <watkins.eric@epa.gov>; 'JRege@globalautomakers.org' <JRege@globalautomakers.org>; Watkins, Erica <watkins.eric@epa.gov>; Atkinson, Emily <Atkinson.Emily@epa.gov>
Subject: RE: Follow up: North American International Auto Show and the Reception/Dinner

Dear Jeff,

Here is the list of Participants from EPA. Since I wrote to you earlier this week, Emily Atkinson, who works in Assistant Administrator Wehrum's front office, asked if I could include the responses for the Office of Air and Radiation senior leadership.

Press Day Preview Participation:

- [REDACTED] Bill Wehrum, Assistant Administrator, EPA Office of Air and Radiation

- [REDACTED] Mandy Gunasekara, Principle Deputy Assistant Administrator, EPA Office of Air and Radiation
- [REDACTED] David Harlow, counselor to the Assistant Administrator (note, I don't know if this is David correct title)
- [REDACTED] Chris Grundler, Director, Office of Transportation and Air Quality
- [REDACTED] Lee Cook, Associate Office Director, Office of Transportation and Air Quality
- [REDACTED] Karl Simon, Director, Transportation and Climate Division
- [REDACTED] David Haugen, Director, Testing and Advanced Technology Division
- [REDACTED] Bill Charmley, Director, Assessment and Standards Division

Tuesday Dinner Participation:

- [REDACTED] Bill Wehrum
- [REDACTED] Mandy Gunasekara
- [REDACTED] David Harlow
- [REDACTED] Chris Grundler
- [REDACTED] Karl Simon
- [REDACTED] Bill Charmley

I have also included in this email Erica Watkins. Erica is an Associate Division Director in my Office, and she will be helping to make sure that the EPA participants follow all of our ethics requirements. To help us with that process, can you provide Erica and I with the following information.

- [REDACTED] What organization is paying for the Press Day pass for Tuesday, and what is the value of the pass?

- Is lunch to be provided during the Press Day, and if yes, who is providing the lunch (the Auto Alliance, the Global Automakers, others?) and what is the value of the lunch.

Thank you again for inviting representatives from US EPA to this year's NAIAS.

Best regards,

Bill Charmley

From: Charmley, William

Sent: Wednesday, December 06, 2017 10:53 AM

To: 'Jeff Beck' <JBeck@autoalliance.org>

Cc: Cerisse Holliman <cholliman@autoalliance.org>; 'CNevers@autoalliance.org' <CNevers@autoalliance.org>; Watkins, Erica <watkins.eric@epa.gov>; 'JRege@globalautomakers.org' <JRege@globalautomakers.org>

Subject: RE: Follow up: North American International Auto Show and the Reception/Dinner

Dear Jeff,

On behalf of Chris Grundler and EPA's Office of Transportation and Air Quality (OTAQ), thank you for inviting a number of the Offices employees to the 2018 NAIAS. Within OTAQ, I volunteered to be a first point of contact for the Alliance and for the Global Automakers for the auto show.

I will get you a list for OTAQ by Friday of this week.

I understand that the Auto Alliance has also reached out to our new Assistant Administrator, Bill Wehrum. While I believe Bill and some of the air office's leadership do plan on coming, I won't be responding for Bill's office.

Thanks

Bill

From: Jeff Beck [<mailto:JBeck@autoalliance.org>]

Sent: Wednesday, December 06, 2017 10:15 AM

To: Jeff Beck <JBeck@autoalliance.org>

Cc: Cerisse Holliman <cholliman@autoalliance.org>

Subject: Follow up: North American International Auto Show and the Reception/Dinner

Hello,

This email serves as a follow up to the email sent last week regarding the

North American International Auto Show and the Reception/Dinner to follow. This is a great opportunity to see some of the exciting things happening in the automotive industry.

To obtain the credentials needed for access to the show, and help with planning, please respond to Jeff Beck at jbeck@autoalliance.org and Cerisse Holliman at cholliman@autoalliance.org by this Friday, December 8th, if possible, with the following information:

1. The names of the individuals that will attend the Show.
2. The names of the individuals that will attend the Tuesday dinner. (Cost for government employees is \$45).

Please do not hesitate to reach out with any questions that you may have.

To help with your own planning and decision making, key information about the Show is as follows:

WHAT: North American International Auto Show

WHEN: Press Preview Day

Tues., Jan. 16, 2018, 7:00 am to 7:00 pm

WHERE: Cobo Center

One Washington Boulevard

Detroit, MI 48226

WHAT: Tuesday Night Reception/Dinner

WHEN: Tues., Jan. 16, 2018

6:30pm Reception

7:15pm Dinner

WHERE: Wright and Co. Restaurant

1500 Woodward Avenue

2nd Floor

Detroit, MI 48226

(313) 962-7711

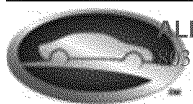
We look forward to seeing you and your colleagues at the show.

Jeff Beck

Jeff Beck

Manager of Federal Affairs

P: 202-326-5559 | C: 202-557-8792 | jbeck@autoalliance.org



ALLIANCE OF AUTOMOBILE MANUFACTURERS

1303 7th Street, NW Main Phone: 202-326-5500

AUTO ALLIANCE
DRIVING INNOVATION®

Suite 300

Main Fax: 202-326-5567

Washington, DC
20001

<https://autoalliance.org/>

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To get a better understanding of how America's automobile industry is one of the
most powerful engines driving the U.S. economy, [click here](#).*

To: Atkinson, Emily[Atkinson.Emily@epa.gov]
Cc: Lewis, Josh[Lewis.Josh@epa.gov]; Alexandra Williams[AWilliams@nam.org]
From: Ross Eisenberg
Sent: Sun 2/4/2018 3:48:53 PM
Subject: RE: Speaker invitation: Feb 5 NAM energy/environment committee meeting
[Spring 2018 EE Committee Agenda.docx](#)
[EE Committee Spring 2018 attendee list.xlsx](#)

Emily,

We're looking forward to having Bill Wehrum and Mandy Gunasekara address our energy and environment policy committees Monday afternoon at 2:30 pm. Attached is the current agenda for the meeting and the most recent attendee list for the event. Right now we're looking like we'll have 115 people in the room and another 60 or so on the phone. I expect a few drop-offs between now and tomorrow but not many.

NAM Headquarters is located at 733 10th St. NW, Suite 700. The location is the corner of 10th and G Streets, NW; our office is on the 7th floor. The meeting itself will be in the NAM's Global Room, which is our largest conference room, located just to the side of the front lobby. We'll have someone waiting in the lobby to meet Bill and Mandy when they get here. The room will probably be set up with a large table at the front and rows of chairs facing the speakers. Bill and Mandy will be on at 2:30 pm.

This is a joint meeting of the NAM's energy and environment policy committees, which have jurisdiction over all energy, environment and natural resources issues for the NAM. Chris Keuleman, International Paper's VP of government affairs, chairs the energy committee and will be chairing Monday's meeting. He will introduce Bill and Mandy and moderate Q&A. The room is wired for teleconference, and Bill and Mandy will have microphones for their remarks so attendees on the phone can listen. I will also be at the table to help with any unexpected issues. We'll have staff roaming the room with microphones for the Q&A portion.

We have 45 minutes slotted for tomorrow's presentation. Bill and Mandy are likely very familiar with the range of issues our members care about; our top environmental priorities tend to be the big issues the air office is focusing on. Top of mind for the members in the room will be ozone, the Clean Power Plan, New Source Review, the light-duty vehicle midterm review, heavy-duty vehicle phase 2 GHG regs, the upcoming PM2.5 NAAQS, and process-related issues that deal with the underlying framework for the regulations (e.g. cost-benefit analysis, CASAC, etc.). This will be a friendly crowd; they are big supporters of the work the air office is doing. Given the

diversity in the room it's possible they could get a curveball on a climate issue or something like the glider rule for heavy-duty trucks (NAM expressed concern with this rule). But even if that happens I expect things to be very friendly.

The meeting is off-the-record and we will make an announcement to that effect at the start of the meeting and again right before Bill and Mandy begin speaking. Committee membership is open to any NAM member company or association, and you can see from the attached attendee list that we have a pretty diverse turnout.

Let me know if you have any other questions, and thanks again for working with us on tomorrow's meeting. We're really looking forward to it.

Ross Eisenberg

Vice President, Energy and Resources Policy

National Association of Manufacturers

Direct: 202.637.3173

Mobile: 703.517.1655

Email: reisenberg@nam.org

From: Atkinson, Emily [mailto:Atkinson.Emily@epa.gov]

Sent: Wednesday, January 31, 2018 12:06 PM

To: Ross Eisenberg <REisenberg@nam.org>

Cc: Lewis, Josh <Lewis.Josh@epa.gov>; Alexandra Williams <AWilliams@nam.org>

Subject: RE: Speaker invitation: Feb 5 NAM energy/environment committee meeting

Thank you Ross.

Emily Atkinson
Management Analyst/Office Manager

Immediate Office of the Assistant Administrator
Office of Air and Radiation, USEPA
Room 5412B, 1200 Pennsylvania Avenue NW
Washington, DC 20460
Voice: 202-564-1850
Email: atkinson.emily@epa.gov

From: Ross Eisenberg [<mailto:REisenberg@nam.org>]
Sent: Wednesday, January 31, 2018 12:00 PM
To: Atkinson, Emily <Atkinson.Emily@epa.gov>
Cc: Lewis, Josh <Lewis.Josh@epa.gov>; Alexandra Williams <AWilliams@nam.org>
Subject: RE: Speaker invitation: Feb 5 NAM energy/environment committee meeting

Emily, that would be wonderful. Thank you so much for making it work on their schedules.

Location is NAM Headquarters, 733 10th St. NW, Suite 700, Washington DC 20001 (corner of 10th and G streets NW). They'll be speaking from 2:30 to 3:15. We will get you an attendee list ahead of time so Bill and Mandy can see who is in the room.

If there are additional logistics that you need from us, just let me know. Thanks again for confirming; we're very excited that Bill and Mandy can make it.

From: Atkinson, Emily [<mailto:Atkinson.Emily@epa.gov>]
Sent: Wednesday, January 31, 2018 11:51 AM

To: Ross Eisenberg <REisenberg@nam.org>
Cc: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: Speaker invitation: Feb 5 NAM energy/environment committee meeting

Hi Ross,

It looks like Bill Wehrum and Mandy Gunasekara could be available to join you for 45 minutes starting at 2:30pm on Monday, February 5.

Please confirm this timing works on your end and the location of the event.

Thank you.

Emily

Emily Atkinson
Management Analyst/Office Manager

Immediate Office of the Assistant Administrator
Office of Air and Radiation, USEPA
Room 5412B, 1200 Pennsylvania Avenue NW
Washington, DC 20460
Voice: 202-564-1850
Email: atkinson.emily@epa.gov

From: Ross Eisenberg [<mailto:REisenberg@nam.org>]
Sent: Monday, January 29, 2018 3:29 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Speaker invitation: Feb 5 NAM energy/environment committee meeting

Bill,

I hope all is well. I'd like to invite you to speak at the NAM's upcoming meeting of its energy and environment committees. The meeting is scheduled for Feb. 5 from 2-4 pm at NAM headquarters and would be off-the-record. Audience would be member companies and trade associations, all of whom are NAM members. We usually get 100 in the room and another 70-80 by phone. We have flexibility on time, so if you are able to attend at any point during the 2-4 pm window, we will carve out a 30-45 minute spot on the agenda for you.

As you know, your portfolio at EPA is far and away the most requested issue area from our committee members. If you have time to provide an update I'm sure the members would love it.

Ross Eisenberg

Vice President, Energy and Resources Policy

National Association of Manufacturers

Direct: 202.637.3173

Mobile: 703.517.1655

Email: reisenberg@nam.org

To: Atkinson, Emily[Atkinson.Emily@epa.gov]
From: Laurie Holmes
Sent: Fri 2/2/2018 3:56:07 PM
Subject: Auto Suppliers Meeting on the Midterm Evaluation for Vehicle GHG Standards
[MEMA Wehrum Meeting Feb 5 Final EPA.pptx](#)

Emily,

One more thing, attached are a few slides we plan on having hard copies of at the meeting on Monday to provide visuals to our discussion points.

I've provided these to Ann Arbor staff too but thought I'd make sure you were aware.

Best,

Laurie

Laurie Holmes

Senior Director, Environmental Policy

Motor & Equipment Manufacturers Association

1030 15th Street NW, Suite 500 East

Washington, DC 20005

Direct: 202-312-9247

Mobile: 202-422-6182

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From: Laurie Holmes
Sent: Thursday, February 01, 2018 9:38 AM
To: 'Atkinson, Emily' <Atkinson.Emily@epa.gov>
Cc: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Confirmed 2/5 at 4:15pm: Auto Suppliers Meeting Request on the Midterm Evaluation for Vehicle GHG Standards

Hi Emily,

As requested, below is a list of participants for the meeting with Mr. Wehrum at 4:15 on Monday, February 5.

Thank you so much for your assistance in setting up this meeting.

Attendees:

1. Laurie Holmes, MEMA
2. Catherine Boland, MEMA
3. Dave Cetola, Johnson Matthey
4. Greg Garr, Umicore
5. Mike Belwood, Arconic
6. Joseph Fengler, Honeywell
7. Jennifer Heckmann, DENSO
8. Ana Meuweissen, Bosch
9. Erika Nielson, BW
10. Andrew Kenny, Magna

Best,

Laurie

From: Atkinson, Emily [<mailto:Atkinson.Emily@epa.gov>]
Sent: Thursday, January 18, 2018 3:44 PM
To: Laurie Holmes <lholfmes@mema.org>
Cc: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Confirmed 2/5 at 4:15pm: Auto Suppliers Meeting Request on the Midterm Evaluation for Vehicle GHG Standards

Hi Laurie,

You are confirmed for a 45 minute in person meeting on Monday, February 5, 2018 at 4:15pm with Bill Wehrum.

Directions and procedures to 1200 Pennsylvania Avenue NW:

Metro: If you come by Metro get off at the Federal Triangle metro stop. Exit the metro station and go up two sets of escalators to the surface level and turn right. You will see a short staircase and wheelchair ramp leading to a set of glass doors with the EPA logo - that is the William Jefferson Clinton Federal Building, North Entrance.

Taxi: Direct the taxi to drop you off on 12th Street NW, between Constitution and Pennsylvania Avenues, at the elevator for the Federal Triangle metro stop - this is almost exactly half way between the two avenues on 12th Street NW. Facing the building with the EPA logo and American flags, walk toward the building and take the glass door on your right hand side with the escalators going down to the metro on your left – that is the North Lobby of the William Jefferson Clinton building.

Security Procedures: A government issued photo id is required to enter the building and it is suggested you arrive 15 minutes early in order to be cleared and arrive at the meeting room on time. Upon entering the lobby, the meeting attendees will be asked to pass through security and provide a photo ID for entrance. Let the guards know that you were instructed to call 202-564-7404 for a security escort.

Please send me a list of participants in advance of the meeting and feel free to contact me should you need any additional information. And based on the size of the room we plan to use, you should plan to bring no more than 10 attendees to this meeting.

Emily

Emily Atkinson
Management Analyst/Office Manager

Immediate Office of the Assistant Administrator
Office of Air and Radiation, USEPA
Room 5412B, 1200 Pennsylvania Avenue NW
Washington, DC 20460
Voice: 202-564-1850
Email: atkinson.emily@epa.gov

From: Laurie Holmes [<mailto:lholfmes@mema.org>]
Sent: Thursday, January 18, 2018 3:08 PM
To: Atkinson, Emily <Atkinson.Emily@epa.gov>
Cc: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Auto Suppliers Meeting Request on the Midterm Evaluation for Vehicle GHG Standards

Emily,

Yes, Mon. Feb. 5 at 4:15 will work for us.

Is there a number limit for the room? We will have some members with us.

Best,

Laurie

Sent from my iPhone

On Jan 18, 2018, at 11:08 AM, Atkinson, Emily <Atkinson.Emily@epa.gov> wrote:

Hi Laurie,

It looks like Bill Wehrum could be available for a 45 minute in person meeting on Monday, February 5 at 4:15pm.

Please advise if this could work on your end.

Emily

Emily Atkinson
Management Analyst/Office Manager

Immediate Office of the Assistant Administrator
Office of Air and Radiation, USEPA
Room 5412B, 1200 Pennsylvania Avenue NW
Washington, DC 20460
Voice: 202-564-1850
Email: atkinson.emily@epa.gov

From: Laurie Holmes [<mailto:lholfmes@mema.org>]
Sent: Wednesday, January 17, 2018 10:34 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Cc: Atkinson, Emily <Atkinson.Emily@epa.gov>
Subject: Auto Suppliers Meeting Request on the Midterm Evaluation for Vehicle GHG Standards

Josh,

In addition to the week of the 29th we could also do Monday, February 5 or Tuesday, February 6 before 1.

Let me know if you need additional date ranges to work with.

Best,

Laurie

From: Lewis, Josh [<mailto:Lewis.Josh@epa.gov>]
Sent: Friday, January 12, 2018 2:16 PM
To: Laurie Holmes <lholfmes@mema.org>; Catherine Boland <cboland@MEMA.ORG>
Cc: Atkinson, Emily <Atkinson.Emily@epa.gov>

Subject: FW: Auto Suppliers Meeting Request on the Midterm Evaluation for Vehicle GHG Standards

+ Emily and – Bill.

Is there a rough date or dates you were looking to come in?

Josh Lewis

Chief of Staff

EPA/Office of Air and Radiation

Office: 202 564 2095

Cell: 202 329 2291

From: Laurie Holmes [<mailto:lholfmes@mema.org>]

Sent: Friday, January 12, 2018 10:56 AM

To: Wehrum, Bill <Wehrum.Bill@epa.gov>

Cc: Catherine Boland <cboland@MEMA.ORG>; Lewis, Josh <Lewis.Josh@epa.gov>

Subject: Auto Suppliers Meeting Request on the Midterm Evaluation for Vehicle GHG Standards

Bill, Thank you so much.

Josh, Look forward to hearing from you.

From: Wehrum, Bill [<mailto:Wehrum.Bill@epa.gov>]

Sent: Friday, January 12, 2018 7:38 AM

To: Laurie Holmes <lholfmes@mema.org>

Cc: Catherine Boland <cboland@MEMA.ORG>; Lewis, Josh <Lewis.Josh@epa.gov>

Subject: Re: Auto Suppliers Meeting Request on the Midterm Evaluation for Vehicle GHG Standards

Hi Laurie. I'd be happy to talk with you. I've copied my chief of staff, Josh Lewis, who can help coordinate.

Bill Wehrum

Assistant Administrator

Office of Air and Radiation

U.S. Environmental Protection Agency

(202) 564-7404

On Jan 11, 2018, at 1:33 PM, Laurie Holmes <lholfmes@mema.org> wrote:

Bill:

MEMA would like to request a meeting to discuss the midterm evaluation on the vehicle greenhouse gas emission standards.

MEMA represents more than 1,000 companies that manufacture components, systems and materials for motor vehicles and represents the largest sector of manufacturing jobs in the U.S. Since auto suppliers play a major role in developing the technologies necessary for vehicle emission reduction, suppliers have a strong interest in the midterm evaluation and the standards. Our position is also not identical to the vehicle manufactures on the issue.

It would be helpful if we could discuss with you the impact the program has had and will have on our industry.

Look forward to hearing from you.

Laurie Holmes

Senior Director, Environmental Policy

Motor & Equipment Manufacturers Association

1030 15th Street NW, Suite 500 East

Washington, DC 20005

Direct: 202-312-9247

Mobile: 202-422-6182

<image001.png>

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NAM Energy and Environment Joint Committee Meeting

AGENDA

Monday, February 5, 2018
2:00 p.m. – 4:00 p.m. ET

NAM Headquarters
733 10th Street, NW, Suite 700
Washington, D.C.

2:00 – 2:30 pm: Department of Energy Update

- Daniel Simmons, Principal Deputy Assistant Secretary, Office of Energy Efficiency and Renewable Energy, Department of Energy

2:30 - 3:15 pm: EPA Air Policy Update

- William Wehrum, Assistant Administrator for Air and Radiation, Environmental Protection Agency
- Mandy Gunasekara, Principal Deputy Assistant Administrator, Office of Air and Radiation, Environmental Protection Agency

3:15 – 3:35 pm: Introduction to the Manufacturing Institute and Center for Manufacturing Research

- Carolyn Lee, Executive Director, Manufacturing Institute
- Chad Moutray, Chief Economist, National Association of Manufacturers

3:35 – 4:00 pm: Committee Business

4:00 pm: Adjourn

Clean Air Act: Update on Stationary Source Regulations

Presentation for the Edison Electric Institute
December 6, 2017

William L. Wehrum
Assistant Administrator
Office of Air and Radiation

Outline

- ▶ Air Quality Trends
- ▶ Clean Power Plan
- ▶ Mercury and Air Toxics Standards
- ▶ NAAQS Implementation
 - ▶ Ozone
 - ▶ SO₂
- ▶ Good Neighbor Transport SIPS Ozone NAAQS
- ▶ Cross State Air Pollution Rule
- ▶ Regional Haze
- ▶ Permitting

Air Quality Trends

► **Emissions are down as economy grows:**

- Between 1970 and 2016, combined emissions of the six common pollutants (PM_{2.5} & PM₁₀, SO₂, NO_x, CO, and Pb) dropped by 73%
- Since 2000, number of days reaching “Unhealthy for Sensitive Groups” or higher on the Air Quality Index decreased 66% (based on ozone and PM_{2.5} measurements in 35 major cities)
- Since 2010, no violations in NAAQS standards for CO and NO₂
- Visibility in national parks and wilderness areas has improved over the majority of the 155 areas monitored by EPA and other agencies

► **Areas for improvement:**

- Levels of ground-level ozone and fine particle pollution have decreased over the years, but continue to pose air quality problems in many areas
- EPA is continuing to work with partners to ensure healthy air for all communities

GHG Regulations/Clean Power Plan (CPP)

- ▶ **Executive Order 13783 – Promoting Energy Independence and Economic Growth**
 - ▶ March 28, 2017: Directed the EPA to review the CPP and the Clean Air Act (CAA) section 111(b) GHG NSPS and, if appropriate, to initiate reconsideration proceedings to suspend, revise or rescind the rule(s)
- ▶ **Proposed CPP repeal**
 - ▶ On October 16, 2017, EPA proposed that the CPP exceeds the EPA's statutory authority and would be repealed
 - Public comment period open through January 16, 2018
 - November 28 – 29, 2017: Public hearing in Charleston, West Virginia. More than 200 individuals presented oral testimony
- ▶ **Advance Notice of Proposed Rulemaking**
 - ▶ Coming soon -- currently under interagency review
 - ▶ Will solicit information on systems of emission reduction that are in accord with the legal interpretation in the proposed CPP repeal (i.e., those that are applicable at and to an individual source).
 - ▶ Will also solicit information on compliance measures and state planning requirements
- ▶ **New Sources**
 - ▶ EPA continues to review the 111(b) rule, as required under the Executive Order

Mercury and Air Toxics Standards (MATS)

- ▶ **Final MATS Rule:** in place for affected coal and oil-fired power plants
- ▶ **Section 202(c) orders:** EPA works with DOE to address any grid reliability concerns
- ▶ **Legal Challenges in abeyance**
 - ▶ Outstanding challenges to final rule include *ARRIPA v. EPA* (related to waste coal provisions) and *Murray Energy v. EPA* (related to supplemental Appropriate & Necessary finding).

Ozone NAAQS Implementation

► **2008 Ozone NAAQS Implementation**

- EPA continues to review required SIPs submitted by states and to determine whether nonattainment areas are attaining the 2008 standard by their respective attainment dates

► **2015 Ozone NAAQS Implementation**

- On October 1, 2015, EPA revised the 8-hour primary and secondary NAAQS for ozone by lowering the level from 75 parts per billion (ppb) to 70 ppb.
- On November 6, 2017, EPA issued final designations of “attainment/unclassifiable” for 85% of the counties in the U.S.
- EPA is continuing to work with states on the remaining areas and intends to address these areas in a separate future action.

SO2 NAAQS Implementation

- ▶ **Round 3 Proposed Designations** sent to states and tribes in August of 2017
- ▶ **Round 3 Final designations** to be completed by December 31, 2017
 - ▶ Will designate all areas of the country, except those areas where states have sited new monitors consistent with the SO2 Data Requirements Rule
- ▶ **Fourth round** to be completed by December 31, 2020
 - ▶ Will designate all remaining areas (approx. 50 areas)

Ongoing NAAQS Implementation

- ▶ **NAAQS** – Consent Decree to finalize review of primary NAAQS for NO₂ and SO₂
 - ▶ **NO₂** – On July 14, 2017, EPA issued the proposed rule to retain, without revision, the health based or primary NAAQS for NO₂; final action required April 6, 2018
 - ▶ **SO₂** – In August, EPA issued the 1st draft Policy Assessment; required to issue final ISA in December 2017, proposal May 25, 2018, and final January 28, 2019
 - ▶ **PM and Secondary NO_x/SO_x** – Reviews are ongoing. Final actions are projected for 2022.

Cross-State Air Pollution Rule (CSAPR)

- ▶ **CSAPR** (finalized July 2011) addresses interstate transport obligations for the 1997 ozone NAAQS (and the 1997 and 2006 PM_{2.5} NAAQS)

- ▶ **CSAPR Update** (finalized September 7, 2016) updates CSAPR ozone season program by addressing summertime transport of ozone for the 2008 ozone NAAQS in the eastern US
 - Covers 22 eastern states and sets power sector ozone season NO_x emission budgets for each covered state starting with the 2017 ozone season (May 1, 2017)

 - Establishes a new ozone season NO_x allowance trading program for CSAPR Update states

 - Facilitates a smooth transition by creating a starting bank of allowances, converted from 2015-2016 allowances banked under the original CSAPR ozone season NO_x trading program

CSAPR Update (*cont.*)

► **Emissions impact:**

- Preliminary data indicate that the 2017 ozone season NO_x were 21 percent (78,000 tons) below 2016 emissions
- Collectively, total emissions across the region were 7 percent (23,000 tons) below 2017 CSAPR update budgets.

Good Neighbor Transport SIPs Ozone NAAQS

- ▶ **“Good Neighbor” Provision:** Section 110(a)(2)(D)(i)(I) requires upwind states to implement a share of the emission reductions needed for downwind areas to attain and maintain the NAAQS

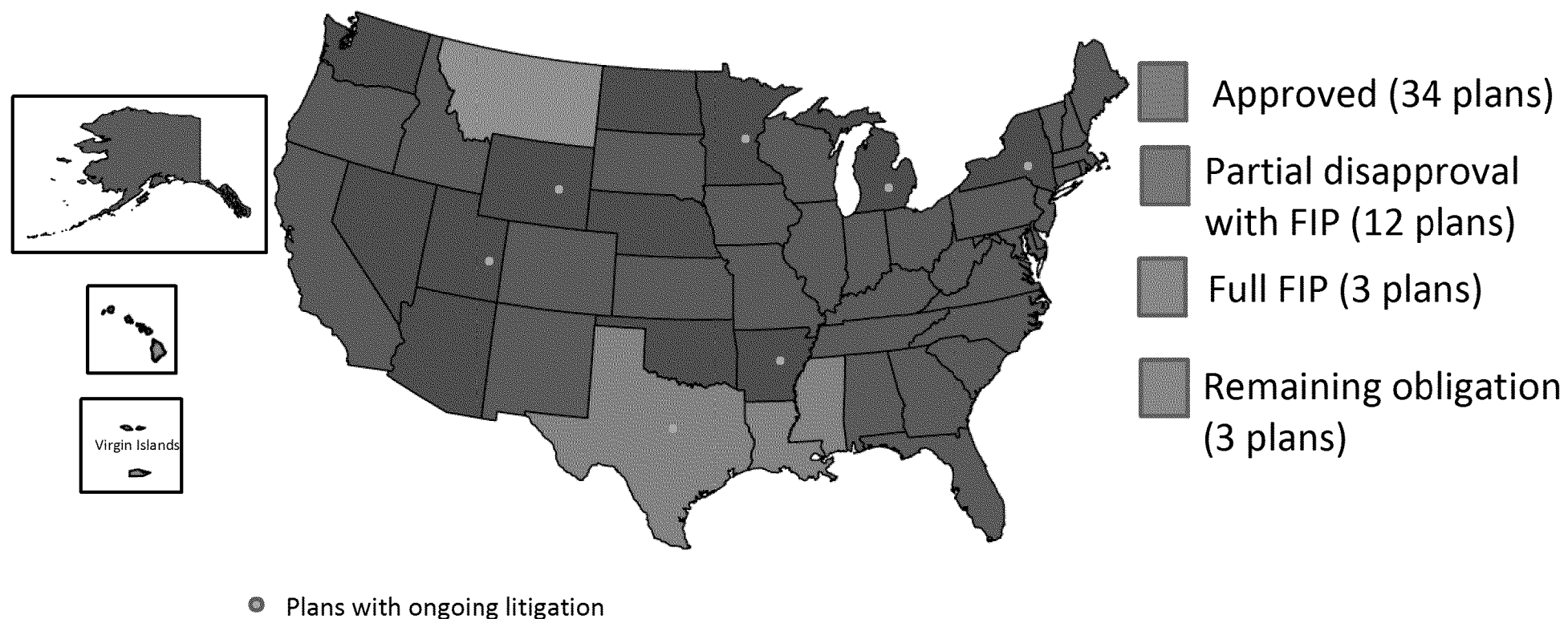
- ▶ **Outstanding good neighbor obligations** for the 2008 ozone NAAQS
 - ▶ CSAPR Update was a partial remedy for 21 eastern states (full remedy for TN)
 - ▶ CSAPR Update Rule did not address 2008 transport obligations for western states
 - ▶ To help states develop, supplement or resubmit their good neighbor SIPs for the 2008 standards, EPA signed the **“Supplemental Transport Memo”** on October 27, 2017

Regional Haze

► Background:

- The **Regional Haze Rule** calls for state and federal agencies to work together to improve visibility in 156 national parks and wilderness areas
- The first State plans for regional haze were due in December 2007. States, tribes, and five multi-jurisdictional regional planning organizations worked together to develop the technical basis for these plans.
- Comprehensive periodic revisions to these initial plans are currently due in 2021, 2028, and every 10 years thereafter.

Status of Regional Haze SIP and FIP Actions (First Implementation Period, November 2017)



Permit Streamlining Actions for New Source Review (NSR) and Title V Operating Permits

- ▶ Presidential memorandum signed January 24, 2017, titled **“Streamlining Permitting and Reducing Regulatory Burdens for Domestic Manufacturing”**
 - ▶ Department of Commerce was in the lead and provided an opportunity for public comment on ways to achieve the goals of the memorandum.
 - The final report was issued on October 6, 2017 and actions plans are due December 31, 2017. Included 11 recommendations involving NSR and Title V permitting.
- ▶ **“Final Report on Review of Agency Actions that Potentially Burden the Safe, Efficient Development of Domestic Energy Resources Under Executive Order 13783,”** issued on October 25, 2017
 - ▶ Identifies four key initiatives:
 - Comprehensive new source review reform
 - National ambient air quality standards reform
 - Robust evaluations of the employment effects of EPA regulations
 - A sector-based outreach program

Permitting Actions Underway

- ▶ Finalize **“Guidance on Significant Impact Levels (SILs) for Ozone and PM_{2.5} in the Prevention of Significant Deterioration (PSD) Permitting Program”**
 - ▶ Compliance demonstration tool to help determine whether a proposed PSD source causes or contributes to a violation of the NAAQS or PSD increment (draft issued in August 2016 for comment; comments being considered)

- ▶ Finalize **“Revisions to the Petition Provisions of the Title V Permitting Program”**
 - ▶ Increase transparency and stakeholder understanding of the petition process, as well as ensure the Agency is able to efficiently address related programmatic and air quality issues (proposed August 2016; comments being considered)

Q&A

Clean Air Act: Update on Stationary Source Regulations

Presentation for American Electric Power, The Southern Company,
Duke Energy, Dominion Energy,
and the Utility Air Regulatory Group

December 7, 2017

William L. Wehrum
Assistant Administrator
Office of Air and Radiation

Outline

- ▶ Air Quality Trends
- ▶ Clean Power Plan
- ▶ Mercury and Air Toxics Standards
- ▶ NAAQS Implementation
 - ▶ Ozone
 - ▶ SO₂
- ▶ Good Neighbor Transport SIPS Ozone NAAQS
- ▶ Cross State Air Pollution Rule
- ▶ Regional Haze
- ▶ Permitting

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► **Emissions are down as economy grows:**

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► **Areas for improvement:**

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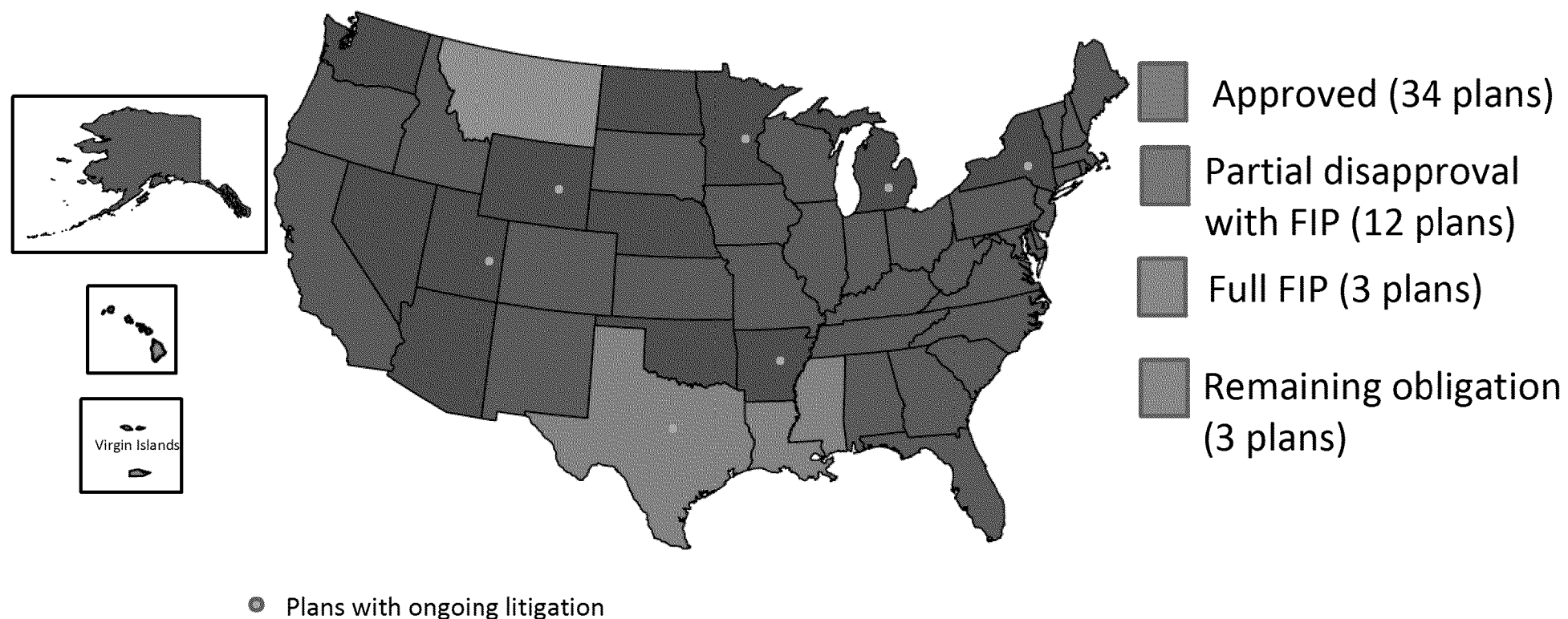
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Q&A

CARB/EPA NAIAS Tour Schedule
Cobo Center, Detroit
Tuesday, January 16, 2017

8:00 – 8:20:	Meet at Joe Louis Statue
8:30 – 8:50:	Mercedes Benz
9:00 – 9:20:	BMW
9:30 – 9:50:	Volkswagen
10:00 – 10:20:	Toyota
10:30 – 10:50:	Nissan
11:00 – 11:20:	Hyundai
11:30 – 12:00:	Subaru
12:00 – 12:50:	LUNCH BREAK
1:00 – 1:20:	Kia
1:30 – 1:50:	Denso
2:00 – 2:20:	FCA (formerly Chrysler)
2:30 – 2:50:	Ford
3:00 – 3:20:	General Motors (At Chevrolet Booth)
3:30 – 4:00:	Honda

Tour Leaders:

Auto Alliance: Steve Douglas, Chris Nevers

Global Automakers: Julia Rege, Amandine Muskus

DRIVING THE FUTURE



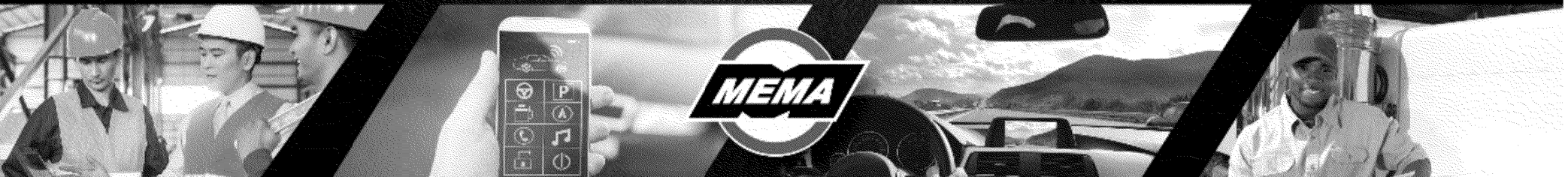
U.S. Environmental Protection Agency
Office of Air and Radiation
February 5, 2018



DRIVING THE FUTURE

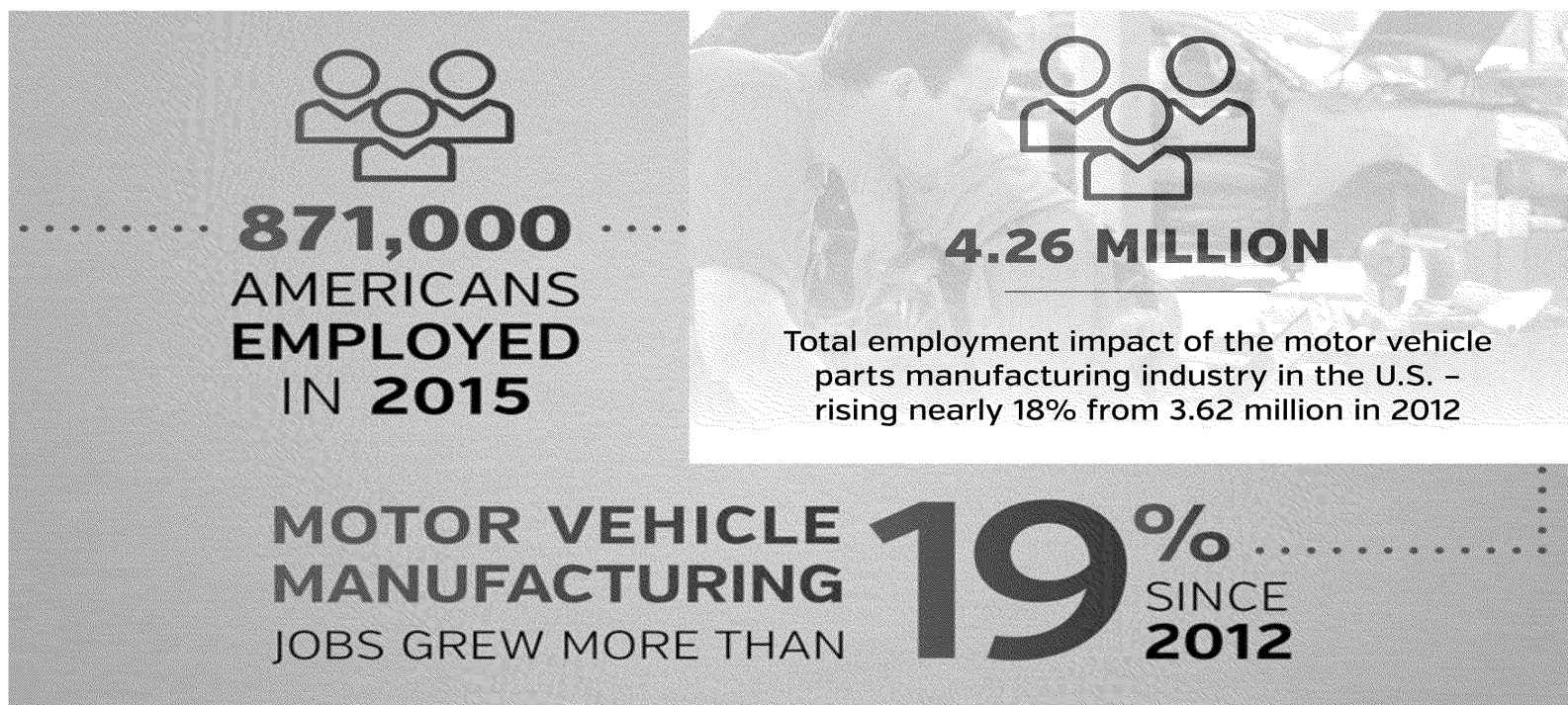
Agenda

- I. Supplier Industry and Economic Impact**
- II. Supplier Investment Risks and Need for Certainty**
- III. Long-term Targets Drive Technology Innovation**
- IV. Support of Off-Cycle Technology Credits, Other Flexibilities**
- V. MEMA Midterm Evaluation Priorities**



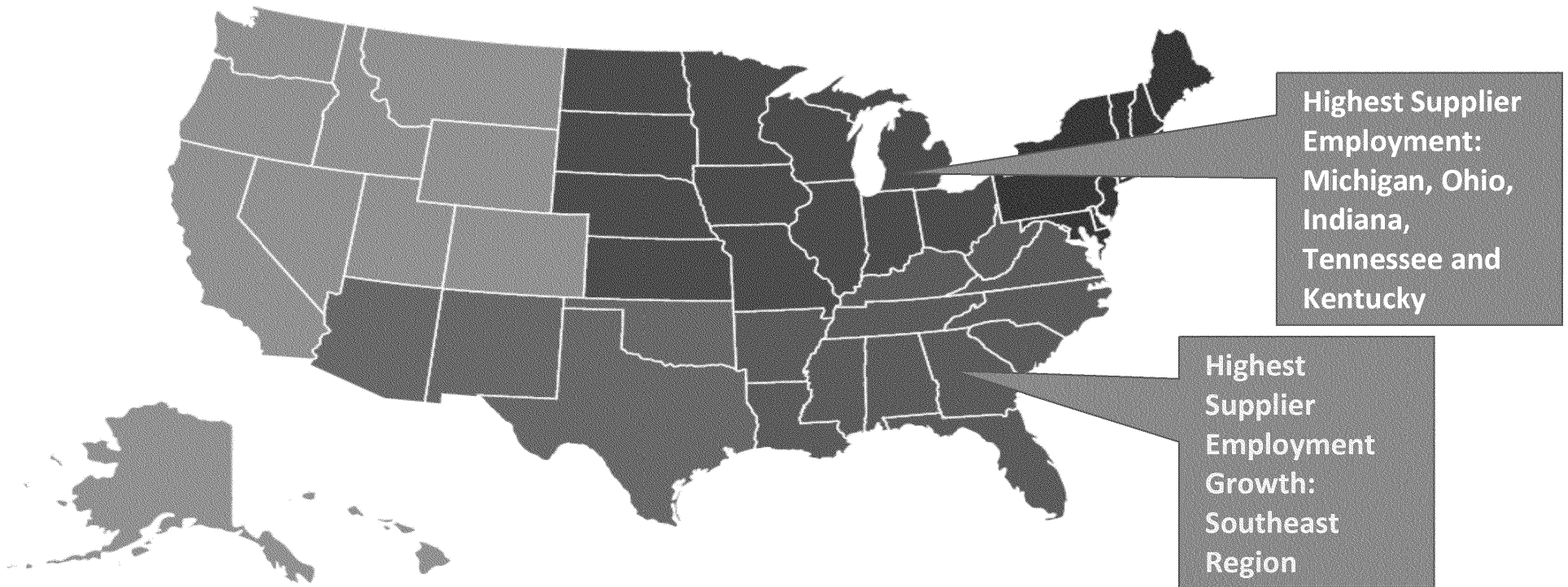


MOTOR VEHICLE PARTS SUPPLIERS ARE THE **LARGEST** SECTOR OF **MANUFACTURING JOBS** IN THE U.S.





Suppliers Employ Workers in All 50 States



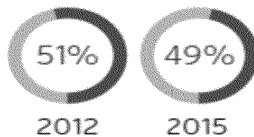
SOUTHWEST



WEST



MIDWEST



NORTHEAST



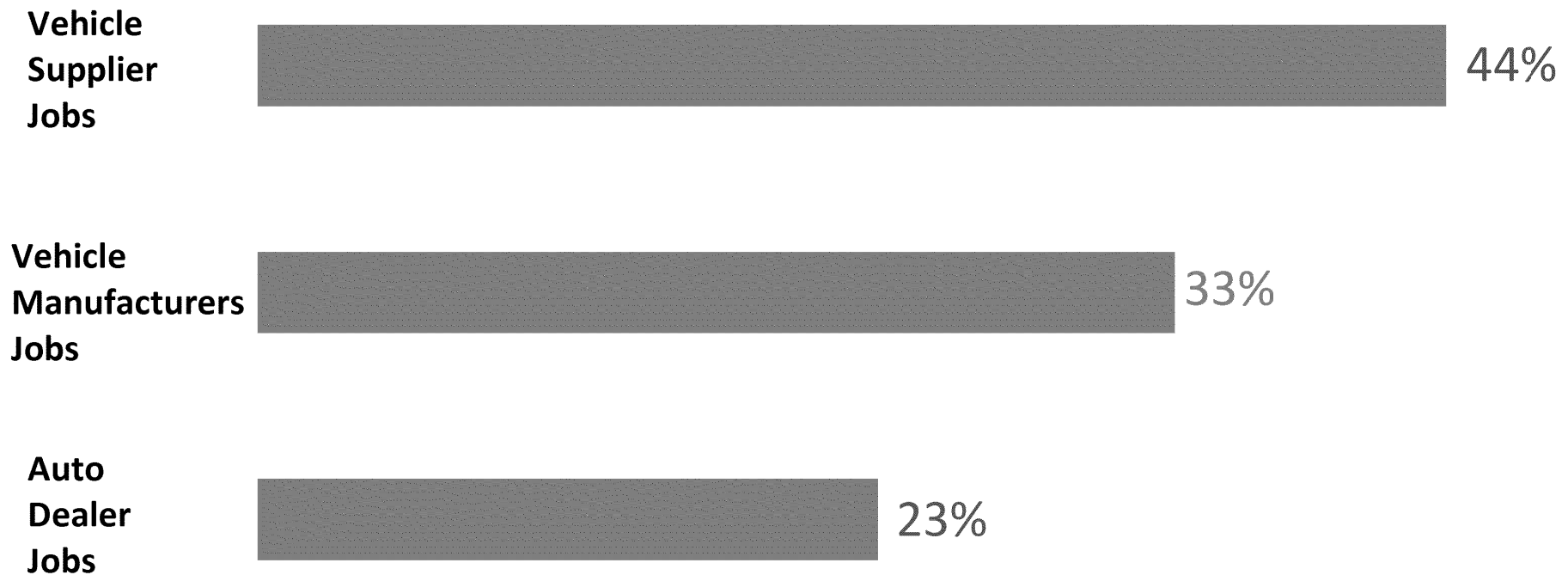
SOUTHEAST



"The Employment and Economic Impact of the Vehicle Supplier Industry in the U.S." based on research undertaken by IHS Markit on behalf of MEMA



Suppliers Make Up the Largest Portion of Auto Sector Jobs*



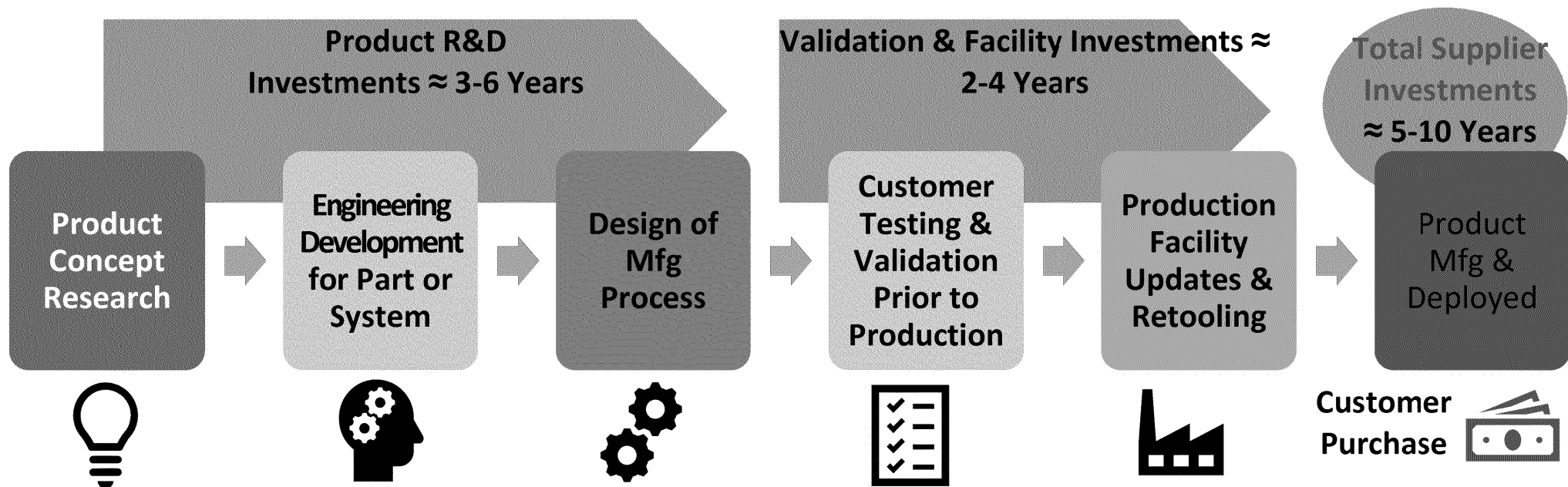
Source: <https://autoalliance.org/economy/>

Alliance of Automobile Manufacturers' *Cars Move America: State of the Auto Industry*

* Out of the total 7.5 million auto sector jobs - includes direct and indirect jobs

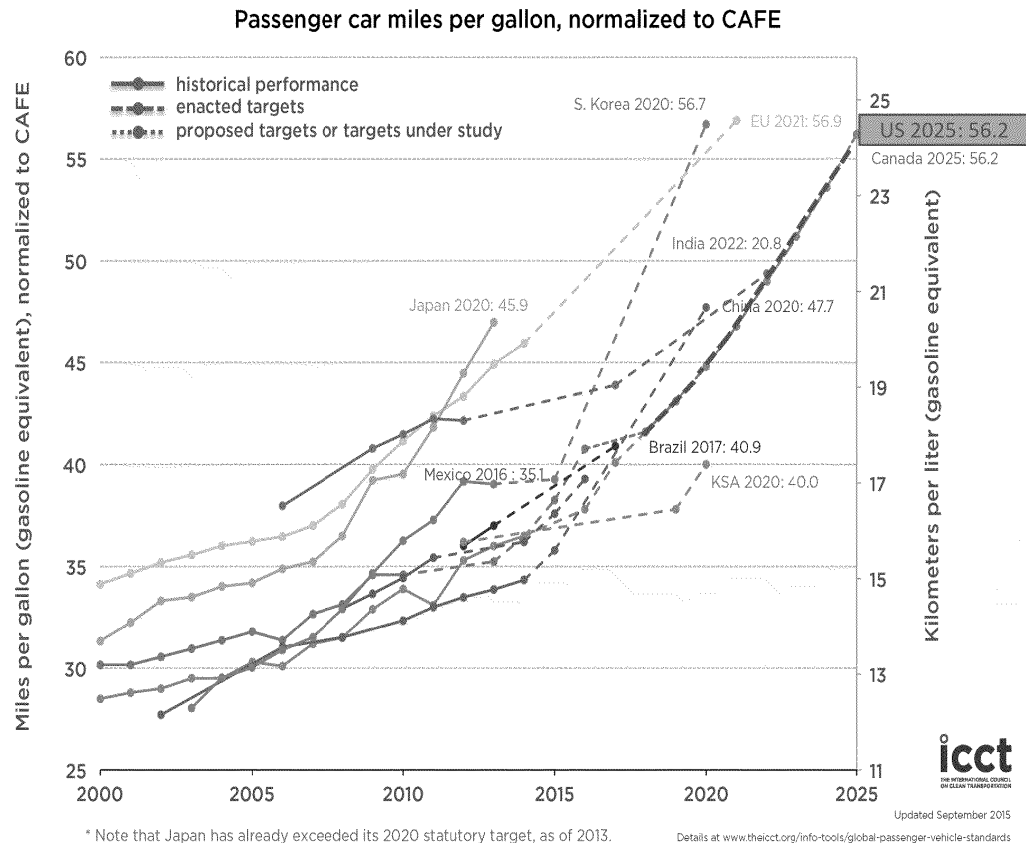


Need for Certainty: Significant Risk for Supplier Investments





Long-Term Targets Drive Technology Innovation



Significant Changes to the Standards Would:

- Put U.S. companies at a competitive disadvantage
- Increase the likelihood that work and investments on these emissions-reducing technologies would shift to other markets
- Tilt the balance away from American innovation, and result in a loss of U.S. jobs



Suppliers Support Further Off-Cycle Technology Credit Opportunities and Flexibilities



- Off-Cycle Technologies Offer Real-World Emissions-Reductions
- Off-Cycle Credits Incentivize Vehicle Manufacturer Adoption of Technologies
- Preserves Long-term Supplier Technology Investments

MEMA Priorities for Midterm Evaluation

- Forward progress on MYs 2022 – 2025 standards
- Oppose changes to MY2021 standard
- Regulatory certainty through 2025 and post-2025
- One National Program
- Preserve American leadership for technology innovation
- Further opportunities for off-cycle technologies, flexibilities



Event Information Form

This form has been designed to assist in planning participation in events and activities.
This is not a confirmation of attendance.

Basic Background

Name of Event	Meeting for UARG, American Electric Power, The Southern Company, Duke Energy, Dominion Energy, and other companies
Sponsoring Organization	UARG, American Electric Power, The Southern Company, Duke Energy, Dominion Energy
Date of Event	12/7/2017
Time of Event	1 pm
Expected time of remarks or participation by AA Wehrum	3 pm
Location (please include city/town and street address)	Hunton & Williams LLP 2200 Pennsylvania Ave. NW Washington, DC 20037
Directions to the event (if appropriate, please also include relevant information about parking, the specific building, and best entrance to use)	
Where to meet POC	Hunton & Williams reception lobby, 9 th Floor

Event Description and Role of the AA

Brief description or outline of the event	Meeting of companies
Brochure, invitation and/or other event material(s)	
Agenda and order of speakers and biography/information of other speakers	
Name of person introducing AA Wehrum	Andrea Bear Field
Basic information about the role of the AA official at the event. (For example, will they serve as a keynote speaker? Participate on a panel? Take part in a press conference? Tour a facility?)	Speak to attendees
If the AA official is a featured speaker, which topic(s) should they address and how long?	regulatory developments, 1 hour
What rules would the audience like to hear about?	rules affecting electric generating companies and other stationary sources
Will there be time for Q&A? If so, who will be moderating?	Yes, Ms. Field
Do you have a sense of the types of questions that may be asked?	No
Recommendations on the use of visuals/PowerPoint. Should the AA official plan on using a PowerPoint Presentation?	It's up to him. We will accommodate his wishes
What is the physical layout of the room (e.g. size, and format of the interaction; podium, seated in armchair dialogue, or at a table, etc.)	large conference room, "classroom style," speaker table upfront

About the Audience

Please tell us about the make-up of the audience for the event:	electric generating companies
Expected number in attendance at the event	35-50
Will it be largely members of your organization?	yes, and individual companies
Will others be in attendance? If so, who will be at the event? (General public, Businesspeople, Educators, Families, Students – what grade level, Children – how old)	No
Others? (Please describe)	
Is the event open to press?	No

Contact Information

Your name:	Makram Jaber
Telephone Number:	202-955-1567
Mailing Address:	Hunton & Williams LLP 2200 Pennsylvania Ave. NW Washington, DC 20037
E-Mail Address:	miaber@hunton.com
Cell Phone Number:	Ex. 6 - Personal Privacy
Fax Number:	202-828-3750
Best way to reach you at the event?	Cell phone and/or e-mail

EPA Contact Person

Emily Atkinson, Administrative Speech Coordinator: 202-564-1850

John Millett, Communications Director: 202-564-2903

Event Information Form

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Basic Background

Name of Event	Global Automakers Board of Directors Meeting
Sponsoring Organization	Association of Global Automakers
Date of Event	February 15, 2018
Time of Event	12:00-4:00 PM ET
Expected time of remarks or participation by EPA official	3:15-4:00 PM ET
Location (please include city/town and street address)	1050 K St NW, Suite 650, Washington, DC 20001 (Corner of 11 th and K St, NW)
Directions to the event (if appropriate, please also include relevant information about parking, the specific building, and best entrance to use)	Metro Center is nearest WMATA station (5 block walk to the office). Taxi is best option. Please sign in at the main lobby and use elevators to 6 th Fl.
Where to meet POC	Please meet at our office reception desk.

Event Description and Role of the EPA official

Brief description or outline of the event	Quarterly Board of Directors Meeting
Brochure, invitation and/or other event material(s)	Invite to be sent via Outlook invite.
Agenda and order of speakers and biography/information of other speakers	12:00-1:00: Working lunch 1:00-2:00: Q1 Board of Directors Meeting ~2:00-3:15: Heidi King, Deputy Administrator, NHTSA (To be confirmed) 3:15-4:00: Bill Wehrum, Assistant Administrator, EPA
Name of person introducing EPA official	John Bozzella, President and CEO of Global Automakers
Basic information about the role of the EPA official at the event. (For example, will they serve as a keynote speaker? Participate on a panel? Take part in a press conference? Tour a facility?)	Speak to members of the Global Automakers Board of Directors.
If the EPA official is a featured speaker, which topic(s) should they address and how long?	30 minute talk, 15 minutes for discussion
What rules would the audience like to hear about?	GHG/CAFE and other vehicle-related Clean Air Act provisions.
Will there be time for Q&A? If so, who will be moderating?	Yes, moderated by John Bozzella
Do you have a sense of the types of questions that may be asked?	High-level policy discussion
Recommendations on the use of visuals/PowerPoint. Should the EPA official plan on using a PowerPoint Presentation?	No presentation is required.
What is the physical layout of the room (e.g. size, and format of the interaction; podium,	Speaking in front of a U shaped meeting room set up. No podium. No microphone required.

seated in armchair dialogue, or at a table, etc.)	
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About the Audience

Please tell us about the make-up of the audience for the event:	International automobile manufacturing executives
Expected number in attendance at the event	15
Will it be largely members of your organization?	Yes, all attendees are members of the organization. This is not open to the public.
Will others be in attendance? If so, who will be at the event? (General public, Businesspeople, Educators, Families, Students – what grade level, Children – how old)	Members of Global Automakers, Automobile Manufacturing Executives
Others? (Please describe)	No
Is the event open to press?	No

Contact Information

Your name:	John Bozzella (EA: Michelle Hernandez)
Telephone Number:	202-650-5545
Mailing Address:	1050 K St NW, Suite 650, Washington, DC 20001
E-Mail Address:	mhernandez@globalautomakers.org
Cell Phone Number:	Ex. 6 - Personal Privacy
Fax Number:	202-650-5556
Best way to reach you at the event?	Ex. 6 - Personal Privacy

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Basic Background

Name of Event	Clean Air Subcommittee meeting
Sponsoring Organization	Edison Electric Institute (EEI)
Date of Event	December 6, 2017
Time of Event	10:00-11:30 a.m.
Expected time of remarks or participation by AA Wehrum	10:30-11:30 a.m.
Location (please include city/town and street address)	Edison Electric Institute, 4 th floor, 701 Pennsylvania Avenue, N.W., Washington, D.C. 20004
Directions to the event (if appropriate, please also include relevant information about parking, the specific building, and best entrance to use)	If walking, the entrance to the building is near the Metro escalator for the Archives/Navy Memorial stop and the 701 Restaurant. If driving, parking entrance is on D St, NW between 7 th and 8 th St, NW. Buzz the guard desk from the garage if needed to be let up to the ground floor lobby.
Where to meet POC	Quin Shea of EEI will meet the EPA party in the ground floor lobby at 10:15.

Event Description and Role of the AA

Brief description or outline of the event	EEI Clean Air Subcommittee meeting
Brochure, invitation and/or other event material(s)	
Agenda and order of speakers and biography/information of other speakers	Bill/EPA Team only speaker and the meeting will conclude at the end of this discussion
Name of person introducing AA Wehrum	Quin Shea of EEI
Basic information about the role of the AA official at the event. (For example, will they serve as a keynote speaker? Participate on a panel? Take part in a press conference? Tour a facility?)	Keynote speaker.
If the AA official is a featured speaker, which topic(s) should they address and how long?	Discussion of OAR Clean Air Act issues – one hour including Q&A
What rules would the audience like to hear about?	CAA rules applicable to electric power generators
Will there be time for Q&A? If so, who will be moderating?	Yes – perhaps 20-30 minutes of the hour should be reserved for Q&A. To the extent necessary, Subcommittee co-chairs Lenny Dupuis of Dominion and/or Steve Whitworth of Ameren will assist with the Q&A portion of the meeting.
Do you have a sense of the types of questions that may be asked?	Questions likely will address GHG regulation/CPP, NSR, haze, NAAQS, interstate transport, MATS/HAPs
Recommendations on the use of visuals/PowerPoint. Should the AA official plan on using a PowerPoint Presentation?	Powerpoint will be available, as will be the internet. If using Powerpoint, EEI would appreciate receiving a copy the day before the meeting so we can arrange the

	webinar for remote participants.
What is the physical layout of the room (e.g. size, and format of the interaction; podium, seated in armchair dialogue, or at a table, etc.)	Head table, with numerous side tables to left and right.

About the Audience

Please tell us about the make-up of the audience for the event:	
Expected number in attendance at the event	Approximately 50-75 persons will be in the room and additional participants will be on via webinar.
Will it be largely members of your organization?	Solely EEI members.
Will others be in attendance? If so, who will be at the event? (General public, Businesspeople, Educators, Families, Students – what grade level, Children – how old)	None.
Others? (Please describe)	None
Is the event open to press?	No

Contact Information

Your name:	John Kinsman
Telephone Number:	202-508-5711
Mailing Address:	EEI, 701 Pennsylvania Avenue, N.W., Washington, D.C. 20004
E-Mail Address:	jkinsman@eei.org
Cell Phone Number:	202-255-9531
Fax Number:	
Best way to reach you at the event?	Cell phone

EPA Contact Person

Emily Atkinson, Administrative Speech Coordinator: 202-564-1850
 John Millett, Communications Director: 202-564-2903

Motor & Equipment Manufacturers Association
1030 15th Street, NW Suite 500 East Washington, DC 20005
Tel 202.393.6362 Fax 202.737.3742 www.mema.org



February 1, 2018

The Honorable William Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
1200 Pennsylvania Ave, N.W.
Washington, D.C. 20004

Dear Administrator Wehrum,

On behalf of the Motor & Equipment Manufacturers Association (MEMA), which represents the vehicle suppliers, I would like to personally invite you to speak at MEMA's 2018 Legislative Summit being held April 10, 2018 in Washington, D.C. at the Mandarin Oriental Hotel.

As the leading trade association in an industry fundamental to the American economy, we would be honored if you would speak at our annual Legislative Summit on fuel efficiency and emissions standards, including CAFE and GHG emissions. These issues are critical to vehicle suppliers. The time slot is between 10:00 a.m. and 2:00 p.m. on April 10, however, the schedule is flexible, and we can accommodate your availability.

Collectively, motor vehicle parts suppliers directly employ more than 871,000 Americans and have an indirect employment impact of 4.26 million jobs in all 50 states. Suppliers are at the forefront in investments in new technologies to meet the emissions standards and they take on the initial investments and the associated risks to develop technologies for their vehicle manufacturer customers. Suppliers have ongoing, extensive investments in research and development of advanced technologies to bring needed emissions-reducing technologies to fruition. Addressing MEMA's Legislative Summit attendees will allow you a unique opportunity to inform leading vehicle supplier executives from all over the country, from Fortune 500 companies to medium-and small-business owners.

MEMA's Legislative Summit is a cornerstone of the automotive industry, and we hope your schedule will allow you to directly address this important sector. This is a member only event and closed to the press. If your staff should have any questions regarding this request or require any additional information, please contact Catherine Boland at (202) 312-9241 or at cboland@mema.org. Thank you for your consideration.

Regards,

A handwritten signature in dark ink that reads "Ann Wilson". The signature is fluid and cursive, written over a light gray background.

Ann Wilson

Senior Vice President, Government Affairs





Aston Martin • Ferrari • Honda • Hyundai • Isuzu • Kia
Maserati • McLaren • Nissan • Subaru • Suzuki • Toyota

January 22, 2018

Delivered by Email

Assistant Administrator William Wehrum
Environmental Protection Agency
Office of Air and Radiation
Mail Code: 6101A
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Re: Invitation to Global Automakers' Board of Directors Meeting

Dear Assistant Administrator Wehrum,

It was a pleasure seeing you at the Detroit Auto Show, and I hope you found the tours and other interactions with our member companies and staff informative and helpful. As I mentioned at the Show, I would like to invite you to our upcoming Board of Directors meeting to speak to the chief executive officers and other senior executives from the U.S. subsidiaries of Honda, Hyundai, Kia, Maserati, Nissan, Subaru, and Toyota.

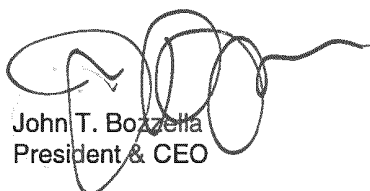
Given all of the policy issues facing the industry right now—such as fuel economy and greenhouse gas emissions, connected automation, and U.S. trade policy—our Board members would be very interested in getting your perspective on the EPA's goals and priorities. It would be informal and hopefully generate a very interesting discussion about the environmental challenges and opportunities confronting the auto industry.

The Board meeting is scheduled for the afternoon of Thursday, February 15, 2018, and will be held at Global Automakers' office in Washington, D.C. We understand how busy you are, and can accommodate your schedule during the afternoon of the 15th. It would likely last 30 to 45 minutes. Please let us know what time works best for you.

I wanted you to know that we have also extended an invitation to Acting NHTSA Administrator, Heidi King, to separately talk to our Board at this meeting.

We hope that you will be able to accept this invitation. Please do not hesitate to contact me at (202) 650-5566 or jbozzella@globalautomakers.org should you have any questions. I look forward to hearing from you soon.


Sincerely,



John T. Bozzella
President & CEO

CC: Amanda Gunasekara

Bill -
It was great
to spend time
at the Detroit
Auto Show. Best,
Bill



Event Information Form

This form has been designed to assist in planning participation in events and activities.
This is not a confirmation of attendance.

Basic Background

Name of Event	The American College of Environmental Lawyers (ACOEL) has asked for a chance to interview Assistant Administrator Bill Wehrum. The interview would be by conference call, where members of the ACOEL would be invited to call in.
Sponsoring Organization	ACOEL
Date of Event	Friday, April 27, 2018
Time of Event	2 p.m. eastern time
Expected time of remarks or participation by EPA official	1 hour
Location (please include city/town and street address)	If has been suggested that a good place to do the interview is at EPA HQ, Washington, DC. That works for ACOEL.
Directions to the event (if appropriate, please also include relevant information about parking, the specific building, and best entrance to use)	Not applicable
Where to meet POC	Not applicable

Event Description and Role of the EPA official

Brief description or outline of the event	<p>The ACOEL is a professional association of lawyers who practice in the field of environmental law and who are recognized by their peers as preeminent in their field. College members include private practitioners, those in academia, government attorneys, and those representing non-profit advocacy groups. Further information on the ACOEL and its approximately 250 members can be find on its website: http://www.acoel.org</p> <p>Periodically, the ACOEL meets with/interviews those in decision-making positions within EPA and other government agencies. In this case, we would like to interview Assistant Administrator Bill Wehrum and conduct the interview by conference call so that members can listen in. The interview is intended to be an informal conversation and will not be recorded by the ACOEL.</p>
Brochure, invitation and/or other event material(s)	Not applicable
Agenda and order of speakers and biography/information of other speakers	Not applicable.
Name of person introducing EPA official	ACOEL member Andrea Field will introduce Bill Wehrum and conduct the interview.

Basic information about the role of the EPA official at the event. (For example, will they serve as a keynote speaker? Participate on a panel? Take part in a press conference? Tour a facility?)	Interview
If the EPA official is a featured speaker, which topic(s) should they address and how long?	In an interview format, we plan to ask Bill Wehrum about his priorities for this year and next.
What rules would the audience like to hear about?	Members would like to hear more about those issues that are described as being of the highest priority for the Air Office.
Will there be time for Q&A? If so, who will be moderating?	We'd like to set aside time for Q&A if Mr. Wehrum is willing.
Do you have a sense of the types of questions that may be asked?	Members can be expected to ask about EPA's priorities (and why certain items are priorities) and the likely timing of anticipated activities by EPA's Air Office.
Recommendations on the use of visuals/PowerPoint. Should the EPA official plan on using a PowerPoint Presentation?	This will be a telephone conference call. No visuals/PowerPoint are called for.
What is the physical layout of the room (e.g. size, and format of the interaction; podium, seated in armchair dialogue, or at a table, etc.)	The interview will take place at EPA HQ Washington, DC, in a room chosen by EPA. ACOEL will provide the call-in number. We would just need a phone line/speaker phone.

About the Audience

Please tell us about the make-up of the audience for the event:	ACOEL members (see description above).
Expected number in attendance at the event	Based on participation in previous calls, we expect 60-80 people to participate on this call.
Will it be largely members of your organization?	The audience will be <i>solely</i> members of the ACOEL.
Will others be in attendance? If so, who will be at the event? (General public, Businesspeople, Educators, Families, Students – what grade level, Children – how old)	No others will be in attendance.
Others? (Please describe)	None
Is the event open to press?	No

Contact Information

Your name:	Andrea Field
Telephone Number:	202-955-1558
Mailing Address:	Hunton & Williams LLP, 2200 Pennsylvania Ave., N.W., Washington D.C. 20037
E-Mail Address:	afield@hunton.com
Cell Phone Number:	Ex. 6 - Personal Privacy
Fax Number:	202-828-3712
Best way to reach you at the event?	By text or email

EPA Contact Person

Emily Atkinson, Administrative Speech Coordinator: 202-564-1850

John Millett, Communications Director: 202-564-2903

Event Information Form

This form has been designed to assist in planning participation in events and activities.
This is not a confirmation of attendance.

Basic Background

Name of Event	MEMA 2018 Legislative Summit
Sponsoring Organization	Motor & Equipment Manufacturers Association
Date of Event	April 10, 2018
Time of Event	10 am – 2 pm
Expected time of remarks or participation by EPA official	11:15 am – 11:45 am
Location (please include city/town and street address)	Mandarin Oriental Hotel, 1330 Maryland Ave SW, Washington, DC 20024
Directions to the event (if appropriate, please also include relevant information about parking, the specific building, and best entrance to use)	Valet parking, event is in lower level in the Grand Ballroom
Where to meet POC	POC will meet you at hotel lobby

Event Description and Role of the EPA official

Brief description or outline of the event	Annual fly-in for MEMA members
Brochure, invitation and/or other event material(s)	Agenda attached
Agenda and order of speakers and biography/information of other speakers	Agenda attached
Name of person introducing EPA official	TBD – should be a MEMA division president / high level staff or member executive. Will send once final
Basic information about the role of the EPA official at the event. (For example, will they serve as a keynote speaker? Participate on a panel? Take part in a press conference? Tour a facility?)	Featured speaker
If the EPA official is a featured speaker, which topic(s) should they address and how long?	Timeframe: 20-minute remarks with 10-minute Q&A; Topics” midterm evaluation on vehicle greenhouse gas emissions, glider vehicles; any other air regs of motor vehicles, including off-highway heavy equipment
What rules would the audience like to hear about?	CAFE, glider rule
Will there be time for Q&A? If so, who will be moderating?	Ideally, 10 minutes of Q&A. We can do question cards and have a MEMA staff member moderate or have an open mic for the crowd.
Do you have a sense of the types of questions that may be asked?	Process of the midterm evaluation, timing of the NPRM, timing of glider rule finalization, potential for heavy-duty NOx proposed rule, CARB
Recommendations on the use of visuals/PowerPoint. Should the EPA official plan on using a PowerPoint Presentation?	No need for a PowerPoint
What is the physical layout of the room (e.g.	Grand Ballroom of the Mandarin, have a riser at the

size, and format of the interaction; podium, seated in armchair dialogue, or at a table, etc.)	front with a podium
--	---------------------

About the Audience

Please tell us about the make-up of the audience for the event:	150 vehicle supplier executives
Expected number in attendance at the event	150
Will it be largely members of your organization?	Yes
Will others be in attendance? If so, who will be at the event? (General public, Businesspeople, Educators, Families, Students – what grade level, Children – how old)	Open to MEMA members only
Others? (Please describe)	N/A
Is the event open to press?	No

Contact Information

Your name:	Briana Huxley
Telephone Number:	202-312-9242
Mailing Address:	1030 15 th St NW, Suite 500 East Washington, DC 20005
E-Mail Address:	Bhuxley@mema.org
Cell Phone Number:	Ex. 6 - Personal Privacy
Fax Number:	202-737-3742
Best way to reach you at the event?	Cell - Ex. 6 - Personal Privacy

EPA Contact Person

Emily Atkinson, Administrative Speech Coordinator: 202-564-1850

John Millett, Communications Director: 202-564-2903

2018 LEGISLATIVE SUMMIT



MOTOR & EQUIPMENT MANUFACTURERS ASSOCIATION



AGENDA

Unless otherwise indicated, all events will take place in the Grand Ballroom at the Mandarin Oriental Hotel. Agenda subject to change.

MONDAY, APRIL 9

6:00 - 8:00 p.m. **Early Arrivals Reception**
Hosted by Butzel Long
1909 K Street, NW, Suite 500 | Washington, DC 20006
[RSVP Here](#)

TUESDAY, APRIL 10

8:30 a.m. **Registration / Breakfast**
Mandarin Oriental | Mandarin Foyer

9:00 a.m. **How to Hold an Effective Hill Meeting**
Mandarin Oriental | Sackler
This is a pre-meeting option open to all registrants.

10:00 - 10:15 a.m. **Welcoming Remarks**
Steve Handschuh, President & CEO, MEMA

10:15 - 11:00 a.m. **Keynote Address: Charlie Cook**
Editor and Publisher of the Cook Political Report and Columnist for the National Journal

11:00 - 11:15 a.m. **Networking Break**

11:15 - 11:45 a.m. **The Honorable William Wehrum**
Assistant Administrator, Office of Air and Radiation, U.S. Environmental Protection Agency (EPA)





MOTOR & EQUIPMENT MANUFACTURERS ASSOCIATION

11:45 am - 12:15 p.m.	Luncheon
12:15 - 12:45 p.m.	The Honorable Jim Inhofe (R-Okla.) U.S. Senate, Chairman, Senate Transportation and Infrastructure Subcommittee
12:45 - 1:15 p.m.	Heidi King Deputy Administrator, National Highway Traffic Safety Administration (NHTSA)
1:15 - 1:45 p.m.	Scheduling and Materials Review for Legislative Visits Ann Wilson, Senior Vice President, Government Affairs, MEMA
1:45 - 2:00 p.m.	Legislative Group Discussion
2:30 - 5:00 p.m.	Hill Meetings Capitol Hill
6:00 - 8:00 p.m.	Reception Mandarin Oriental Garden Terrace

WEDNESDAY, APRIL 11

7:30 - 8:30 a.m.	Breakfast
9:00 a.m. - 12:00 p.m.	Hill Meetings Capitol Hill
12:00 - 1:00 p.m.	Optional Lunch Mandarin Oriental Gallery



To: bhuxley@mema.org[bhuxley@mema.org]
From: DeLuca, Isabel
Sent: Thur 3/15/2018 5:56:36 PM
Subject: FW: MEMA Speaking Invitation - April 10, 2018
[2018 MEMA Summit Invite - Asst. Administrator Wehrum.pdf](#)
[Event Form OAR AA.DOCX](#)

Hi Briana,

Thank you for your invitation to Bill Wehrum to speak at the MEMA annual Legislative Summit on April 10. I'm not sure if anyone has responded to you yet, and if not, my apologies!

Bill is happy to accept your invitation. If you could fill out the attached speaker request form, that would be ideal. Right now, his schedule is somewhat flexible within the 10AM-2PM slot that you indicated, so if you have a preferred time within that block, please let us know.

Many thanks,

Isabel

From: Briana Huxley [mailto:bhuxley@mema.org]
Sent: Thursday, February 01, 2018 10:52 AM
To: Atkinson, Emily <Atkinson.Emily@epa.gov>
Cc: Laurie Holmes <lholmes@mema.org>
Subject: MEMA Speaking Invitation - April 10, 2018

Good morning Emily,

Nice to meet you via email! MEMA would like to invite Administrator Wehrum to speak at our annual Legislative Summit, on fuel efficiency and emissions standards, including CAFE and GHG emissions, issues critical to vehicle suppliers.

The time slot is between 10:00 a.m. and 2:00 p.m. on April 10, 2018 at the Mandarin Oriental Hotel in Washington, D.C. However, the schedule is flexible, and we can accommodate your

availability.

The formal invitation is attached.

Let me know if you need anything else!

Thanks,

Briana

Briana Huxley

Communications Manager | Motor & Equipment Manufacturers Association

1030 15th St NW, Suite 500 East | Washington, DC 20005

202.312.9242 | mema.org

2018 
**LEGISLATIVE
SUMMIT**

April 10-11 | Washington, DC

www.mema.org/dcsummit

Clean Air Act: Update on Stationary Source Regulations

Presentation for the Edison Electric Institute
December 6, 2017

William L. Wehrum
Assistant Administrator
Office of Air and Radiation

Outline

- ▶ Air Quality Trends
- ▶ Clean Power Plan
- ▶ Mercury and Air Toxics Standards
- ▶ NAAQS Implementation
 - ▶ Ozone
 - ▶ SO₂
- ▶ Good Neighbor Transport SIPS Ozone NAAQS
- ▶ Cross State Air Pollution Rule
- ▶ Regional Haze
- ▶ Permitting

Air Quality Trends

► **Emissions are down as economy grows:**

- Between 1970 and 2016, combined emissions of the six common pollutants (PM_{2.5} & PM₁₀, SO₂, NO_x, CO, and Pb) dropped by 73%
- Since 2000, number of days reaching “Unhealthy for Sensitive Groups” or higher on the Air Quality Index decreased 66% (based on ozone and PM_{2.5} measurements in 35 major cities)
- Since 2010, no violations in NAAQS standards for CO and NO₂
- Visibility in national parks and wilderness areas has improved over the majority of the 155 areas monitored by EPA and other agencies

► **Areas for improvement:**

- Levels of ground-level ozone and fine particle pollution have decreased over the years, but continue to pose air quality problems in many areas
- EPA is continuing to work with partners to ensure healthy air for all communities

GHG Regulations/Clean Power Plan (CPP)

- ▶ **Executive Order 13783 – Promoting Energy Independence and Economic Growth**
 - ▶ March 28, 2017: Directed the EPA to review the CPP and the Clean Air Act (CAA) section 111(b) GHG NSPS and, if appropriate, to initiate reconsideration proceedings to suspend, revise or rescind the rule(s)
- ▶ **Proposed CPP repeal**
 - ▶ On October 16, 2017, EPA proposed that the CPP exceeds the EPA's statutory authority and would be repealed
 - Public comment period open through January 16, 2018
 - November 28 – 29, 2017: Public hearing in Charleston, West Virginia. More than 200 individuals presented oral testimony
- ▶ **Advance Notice of Proposed Rulemaking**
 - ▶ Coming soon -- currently under interagency review
 - ▶ Will solicit information on systems of emission reduction that are in accord with the legal interpretation in the proposed CPP repeal (i.e., those that are applicable at and to an individual source).
 - ▶ Will also solicit information on compliance measures and state planning requirements
- ▶ **New Sources**
 - ▶ EPA continues to review the 111(b) rule, as required under the Executive Order

Mercury and Air Toxics Standards (MATS)

- ▶ **Final MATS Rule:** in place for affected coal and oil-fired power plants
- ▶ **Section 202(c) orders:** EPA works with DOE to address any grid reliability concerns
- ▶ **Legal Challenges in abeyance**
 - ▶ Outstanding challenges to final rule include *ARRIPA v. EPA* (related to waste coal provisions) and *Murray Energy v. EPA* (related to supplemental Appropriate & Necessary finding).

Ozone NAAQS Implementation

► **2008 Ozone NAAQS Implementation**

- EPA continues to review required SIPs submitted by states and to determine whether nonattainment areas are attaining the 2008 standard by their respective attainment dates

► **2015 Ozone NAAQS Implementation**

- On October 1, 2015, EPA revised the 8-hour primary and secondary NAAQS for ozone by lowering the level from 75 parts per billion (ppb) to 70 ppb.
- On November 6, 2017, EPA issued final designations of “attainment/unclassifiable” for 85% of the counties in the U.S.
- EPA is continuing to work with states on the remaining areas and intends to address these areas in a separate future action.

SO2 NAAQS Implementation

- ▶ **Round 3 Proposed Designations** sent to states and tribes in August of 2017

- ▶ **Round 3 Final designations** to be completed by December 31, 2017
 - ▶ Will designate all areas of the country, except those areas where states have sited new monitors consistent with the SO2 Data Requirements Rule

- ▶ **Fourth round** to be completed by December 31, 2020
 - ▶ Will designate all remaining areas (approx. 50 areas)

Ongoing NAAQS Implementation

- ▶ **NAAQS** – Consent Decree to finalize review of primary NAAQS for NO₂ and SO₂
 - ▶ **NO₂** – On July 14, 2017, EPA issued the proposed rule to retain, without revision, the health based or primary NAAQS for NO₂; final action required April 6, 2018
 - ▶ **SO₂** – In August, EPA issued the 1st draft Policy Assessment; required to issue final ISA in December 2017, proposal May 25, 2018, and final January 28, 2019
 - ▶ **PM and Secondary NO_x/SO_x** – Reviews are ongoing. Final actions are projected for 2022.

Cross-State Air Pollution Rule (CSAPR)

- ▶ **CSAPR** (finalized July 2011) addresses interstate transport obligations for the 1997 ozone NAAQS (and the 1997 and 2006 PM_{2.5} NAAQS)

- ▶ **CSAPR Update** (finalized September 7, 2016) updates CSAPR ozone season program by addressing summertime transport of ozone for the 2008 ozone NAAQS in the eastern US
 - Covers 22 eastern states and sets power sector ozone season NO_x emission budgets for each covered state starting with the 2017 ozone season (May 1, 2017)

 - Establishes a new ozone season NO_x allowance trading program for CSAPR Update states

 - Facilitates a smooth transition by creating a starting bank of allowances, converted from 2015-2016 allowances banked under the original CSAPR ozone season NO_x trading program

CSAPR Update (*cont.*)

► **Emissions impact:**

- Preliminary data indicate that the 2017 ozone season NO_x were 21 percent (78,000 tons) below 2016 emissions
- Collectively, total emissions across the region were 7 percent (23,000 tons) below 2017 CSAPR update budgets.

Good Neighbor Transport SIPs Ozone NAAQS

- ▶ **“Good Neighbor” Provision:** Section 110(a)(2)(D)(i)(I) requires upwind states to implement a share of the emission reductions needed for downwind areas to attain and maintain the NAAQS

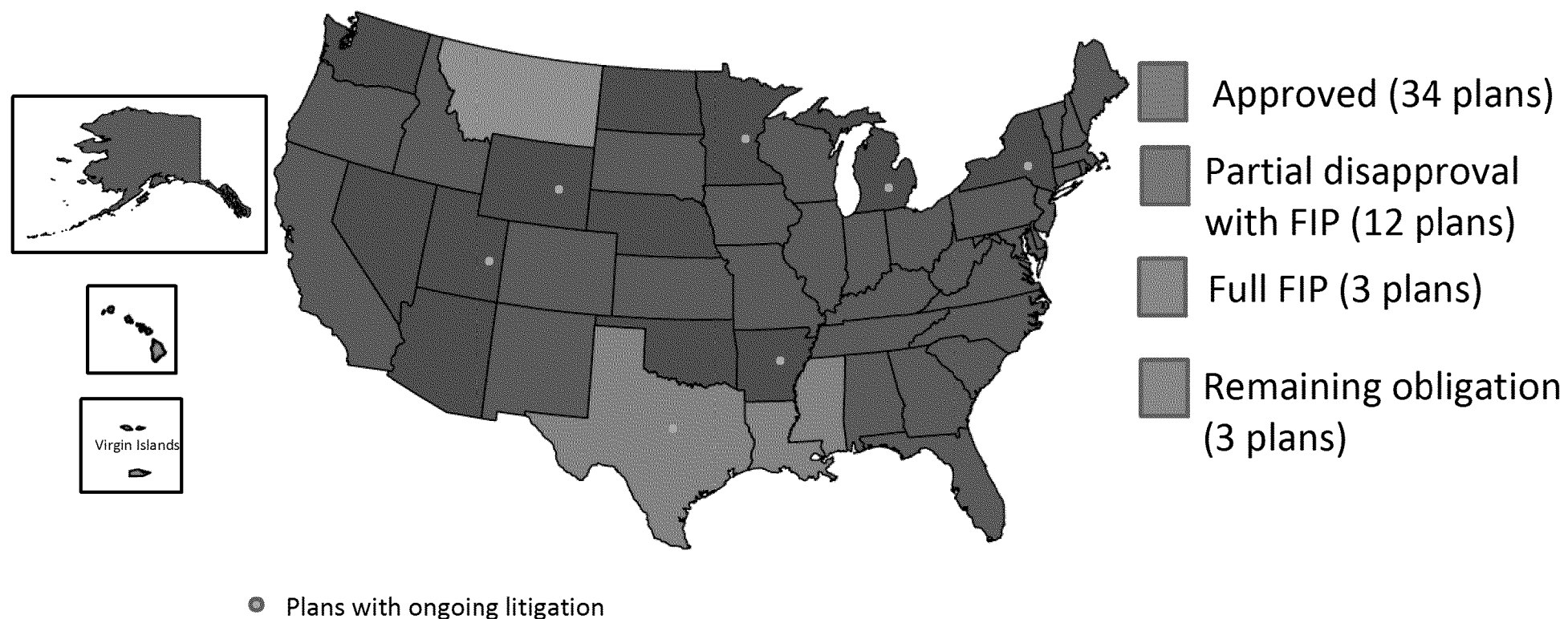
- ▶ **Outstanding good neighbor obligations** for the 2008 ozone NAAQS
 - ▶ CSAPR Update was a partial remedy for 21 eastern states (full remedy for TN)
 - ▶ CSAPR Update Rule did not address 2008 transport obligations for western states
 - ▶ To help states develop, supplement or resubmit their good neighbor SIPs for the 2008 standards, EPA signed the **“Supplemental Transport Memo”** on October 27, 2017

Regional Haze

► Background:

- The **Regional Haze Rule** calls for state and federal agencies to work together to improve visibility in 156 national parks and wilderness areas
- The first State plans for regional haze were due in December 2007. States, tribes, and five multi-jurisdictional regional planning organizations worked together to develop the technical basis for these plans.
- Comprehensive periodic revisions to these initial plans are currently due in 2021, 2028, and every 10 years thereafter.

Status of Regional Haze SIP and FIP Actions (First Implementation Period, November 2017)



Permit Streamlining Actions for New Source Review (NSR) and Title V Operating Permits

- ▶ Presidential memorandum signed January 24, 2017, titled **“Streamlining Permitting and Reducing Regulatory Burdens for Domestic Manufacturing”**
 - ▶ Department of Commerce was in the lead and provided an opportunity for public comment on ways to achieve the goals of the memorandum.
 - The final report was issued on October 6, 2017 and actions plans are due December 31, 2017. Included 11 recommendations involving NSR and Title V permitting.
- ▶ **“Final Report on Review of Agency Actions that Potentially Burden the Safe, Efficient Development of Domestic Energy Resources Under Executive Order 13783,”** issued on October 25, 2017
 - ▶ Identifies four key initiatives:
 - Comprehensive new source review reform
 - National ambient air quality standards reform
 - Robust evaluations of the employment effects of EPA regulations
 - A sector-based outreach program

Permitting Actions Underway

- ▶ Finalize **“Guidance on Significant Impact Levels (SILs) for Ozone and PM_{2.5} in the Prevention of Significant Deterioration (PSD) Permitting Program”**
 - ▶ Compliance demonstration tool to help determine whether a proposed PSD source causes or contributes to a violation of the NAAQS or PSD increment (draft issued in August 2016 for comment; comments being considered)

- ▶ Finalize **“Revisions to the Petition Provisions of the Title V Permitting Program”**
 - ▶ Increase transparency and stakeholder understanding of the petition process, as well as ensure the Agency is able to efficiently address related programmatic and air quality issues (proposed August 2016; comments being considered)

Q&A

Motor & Equipment Manufacturers Association
 1030 15th Street, NW Suite 500 East Washington, DC 20005
 Tel 202.393.6362 Fax 202.737.3742 www.mema.org



February 1, 2018

The Honorable William Wehrum
 Assistant Administrator
 Office of Air and Radiation
 U.S. Environmental Protection Agency
 1200 Pennsylvania Ave, N.W.
 Washington, D.C. 20004

Dear Administrator Wehrum,

On behalf of the Motor & Equipment Manufacturers Association (MEMA), which represents the vehicle suppliers, I would like to personally invite you to speak at MEMA's 2018 Legislative Summit being held April 10, 2018 in Washington, D.C. at the Mandarin Oriental Hotel.

As the leading trade association in an industry fundamental to the American economy, we would be honored if you would speak at our annual Legislative Summit on fuel efficiency and emissions standards, including CAFE and GHG emissions. These issues are critical to vehicle suppliers. The time slot is between 10:00 a.m. and 2:00 p.m. on April 10, however, the schedule is flexible, and we can accommodate your availability.

Collectively, motor vehicle parts suppliers directly employ more than 871,000 Americans and have an indirect employment impact of 4.26 million jobs in all 50 states. Suppliers are at the forefront in investments in new technologies to meet the emissions standards and they take on the initial investments and the associated risks to develop technologies for their vehicle manufacturer customers. Suppliers have ongoing, extensive investments in research and development of advanced technologies to bring needed emissions-reducing technologies to fruition. Addressing MEMA's Legislative Summit attendees will allow you a unique opportunity to inform leading vehicle supplier executives from all over the country, from Fortune 500 companies to medium-and small-business owners.

MEMA's Legislative Summit is a cornerstone of the automotive industry, and we hope your schedule will allow you to directly address this important sector. This is a member only event and closed to the press. If your staff should have any questions regarding this request or require any additional information, please contact Catherine Boland at (202) 312-9241 or at cboland@mema.org. Thank you for your consideration.

Regards,

A handwritten signature in black ink that reads "Ann Wilson".

Ann Wilson
 Senior Vice President, Government Affairs



To: DeLuca, Isabel[DeLuca.Isabel@epa.gov]
From: Broome, Shannon S.
Sent: Fri 1/12/2018 6:05:33 AM
Subject: RE: Speaker request (Rocky Mountain Mineral Law Foundation)
[RMMLF EPA Speaker Form.docx](#)

Isabel, thanks for your assistance. Please find the form attached. If you have any questions, please let me know. Could you please confirm that Mandy will be able to attend? They are doing an email blast on Friday so if we could include her name, that would be amazing.

Also, if she needs a place to stay, the room block may be sold out. Please advise what nights, and we will have them release another room in the block. I would think she'd need to stay on the 5th. Up to her if she stays on the night of the 6th. Thanks so much again.

Best regards,



Shannon S. Broome

Partner

sbroome@hunton.com
415.975.3718 (SF)

202.955.1912 (DC)

415.818.2275 (cell)

Hunton & Williams LLP
50 California Street
Suite 1700
San Francisco, CA 94111

hunton.com

Check out Hunton's new Environmental and Energy Law Blog!
<https://www.huntonnickelreportblog.com/>

This communication is confidential and is intended to be privileged pursuant to applicable law. If the reader of this message is not the intended recipient, please advise by return email immediately and then delete this message and all copies and backups thereof.

From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov]
Sent: Thursday, January 11, 2018 3:43 PM
To: Broome, Shannon S.
Subject: RE: Speaker request (Rocky Mountain Mineral Law Foundation)

Hi Shannon,

I just wanted to check in on this event request form for Mandy Gunasekara's presentation at the Rocky Mountain Mineral Law Foundation's air quality conference next month. If you've sent it and I missed it, apologies! If not, please send when you have a chance.

Many thanks,

Isabel

Isabel DeLuca

Deputy Director, Communications

Office of Air and Radiation, US EPA

(202) 343-9247

From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov]
Sent: Friday, January 05, 2018 1:41 PM
To: Broome, Shannon S.
Cc: Lewis, Josh; Millett, John
Subject: Re: Speaker request (Rocky Mountain Mineral Law Foundation)

Hi Shannon,

Thank you for your note to Bill Wehrum on December 18th, inviting him to give a keynote speech at the Rocky Mountain Mineral Law Foundation's annual air quality conference February 6th or 7th.

While Bill has a scheduling conflict for these days, Mandy Gunasekara, Principal Deputy Assistant Administrator in OAR, would be available to attend as keynote speaker, and she could speak on the morning of the 6th, if that is the preference for the foundation.

If this would work, please let me know and we'll block the time on her calendar. In addition, could you please fill out an event form and return it as soon as possible?

Thanks again,

Isabel DeLuca

Deputy Director, Communications

Office of Air and Radiation, US EPA

(202) 343-9247

Begin forwarded message:

From: "Broome, Shannon S." <SBroome@hunton.com>
Date: December 18, 2017 at 3:06:50 PM EST
To: "wehrum.william@epa.gov" <wehrum.william@epa.gov>
Subject: Speaker request

Bill,

I am reaching out on behalf of the Rocky Mountain Mineral Law Foundation, which is having its annual air quality conference in Denver on February 6-7, 2018 to invite you or one of your colleagues to speak on the EPA's plans for air regulation in the new administration. Here is a link to the conference website. The conference organizers tell us that the ideal time for you or your designee to speak would be on the morning of the 6th or the morning of the 7th as the keynote speaker, with a slight preference for the 6th. Could you please forward this request to the appropriate folks at EPA and I will be happy to work with them to arrange what makes sense if one of you are able to assist.

<https://www.rmmlf.org/conferences/air4-air-quality-issues-affecting-oil-gas-and-mining-development-and-operations/overview>

Best regards,



Shannon S. Broome

Partner

sbroome@hunton.com
415.975.3718 (SF)

202.955.1912 (DC)

415.818.2275 (cell)

Hunton & Williams LLP
50 California Street
Suite 1700
San Francisco, CA 94111

hunton.com

Check out Hunton's new Environmental and Energy Law Blog!
<https://www.huntonnickelreportblog.com/>

This communication is confidential and is intended to be privileged pursuant to applicable law. If the reader of this message is not the intended recipient, please advise by return email immediately and then delete this message and all copies and backups thereof.

To: DeLuca, Isabel[DeLuca.Isabel@epa.gov]
From: Field, Andrea
Sent: Tue 3/20/2018 8:01:04 PM
Subject: RE: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum
[Event Form OAR \(for ACOEL Interview with Bill Wehrum 68823133 1.DOCX\)](#)

Dear Isabel –

Attached is a completed “event form.” If you need any additional information, please let me know. Thank you for your help.

Andrea Field



Andrea Field

Partner

afield@hunton.com

p 202.955.1558

[bio](#) | [vCard](#)

Hunton & Williams LLP
2200 Pennsylvania Avenue, NW
Washington, DC 20037

hunton.com

From: DeLuca, Isabel [mailto:DeLuca.Isabel@epa.gov]
Sent: Monday, March 19, 2018 5:12 PM
To: Field, Andrea
Subject: RE: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum

Thanks, Andrea. Bill is traveling on April 11 and 12, so wouldn't be available those days, but his schedule is still pretty open the week of April 23-27, especially on the 27th. Would you be willing to fill out a speaker request form (attached) with your preferred time? This will help us schedule it. I'll get back to you on the question about live Q&A as soon as possible.

Many thanks,

Isabel

From: Field, Andrea [mailto:afield@hunton.com]
Sent: Monday, March 19, 2018 5:01 PM
To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum

Thank you so much for getting back to me, Ms. DeLuca. Because I am going to be traveling for much of the first few weeks in April, I am wondering if it would be possible to schedule the interview later in April – either on April 11 or 12, or on any day during the last week of that month (the week of April 23-27). If we can set up the interview during any of those days, I would be able to come to EPA for the interview.

As far as interview topics are concerned, I think that members of the College of Environmental Lawyers would like to hear Bill talk about his top priorities for the next few years: what he thinks are the most important issues to address in the immediate future and his thoughts about how best to tackle those issues – whether through rulemaking or other mechanisms. Also, would Bill be willing to let the last part of the interview session be in a Q and A format? That way, our members

– who will be calling in to hear the interview – would have a chance to raise issues of most interest to them.

Again, thank you for getting back to me. I look forward to hearing back from you about Bill's availability later in April.

Andrea Field



Andrea Field

Partner

afield@hunton.com

p 202.955.1558

[bio](#) | [vCard](#)

Hunton & Williams LLP
2200 Pennsylvania Avenue, NW
Washington, DC 20037

hunton.com

From: DeLuca, Isabel [<mailto:DeLuca.Isabel@epa.gov>]

Sent: Monday, March 19, 2018 3:44 PM

To: Field, Andrea

Subject: FW: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum

Dear Ms. Field,

Emily Atkinson forwarded me your request for an interview with Bill Wehrum on behalf of the ACOEL.

Bill would be happy to have an interview with you, and I am writing to see about scheduling. Would you prefer an interview by phone, or in person? If in person, would it be possible for you to come to EPA? As far as dates, Bill's schedule is fairly booked for the next couple of weeks, but looking ahead, the week of April 2nd is more open, if there is a time that week that would work for you. On April 5th, Bill's schedule is flexible between 11AM and 4PM, and on April 6th, his schedule is flexible between 10AM and 2PM.

Please let me know some times that would work for you, and we can put this on Bill's calendar. Also, if you could let me know the topics you would like to cover, that would be great.

Many thanks,

Isabel DeLuca

Deputy Director of Communications

Office of Air and Radiation, US EPA

(202) 343-9247

From: Field, Andrea [<mailto:afield@hunton.com>]

Sent: Thursday, February 15, 2018 4:12 PM

To: Atkinson, Emily <Atkinson.Emily@epa.gov>

Subject: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum

Ms. Atkinson –

The American College of Environmental Lawyers (ACOEL) is a professional association of lawyers who practice in the field of environmental law and who are dedicated to maintaining and improving the ethical practice of environmental law.

See www.acoel.org. On behalf of the ACOEL, I am asking if a time can be arranged for one of our members to interview Assistant Administrator Wehrum. The interview would likely be conducted by the current president of the ACOEL – John Cruden – or by me (I am a former partner of Bill's).

If you need any additional information on the ACOEL or about topics that might be covered in the interview, please let me know. Thank you in advance for considering this request.

Andrea Field



Andrea Field

Partner

afield@hunton.com

p 202.955.1558

[bio](#) | [vCard](#)

Hunton & Williams LLP
2200 Pennsylvania Avenue, NW
Washington, DC 20037

hunton.com

Event Information Form

This form has been designed to assist in planning participation in events and activities.
This is not a confirmation of attendance.

Basic Background

Name of Event	Rocky Mountain Mineral Law Foundation's Special Institute on the Air Quality Issues Affecting Oil, Gas, and Mining Development and Operations
Sponsoring Organization	Rocky Mountain Mineral Law Foundation
Date of Event	2/6-2/7/2018
Time of Event	8 am to 5 pm each day
Expected time of remarks or participation by EPA official	2/6 9 am
Location (please include city/town and street address)	The Grand Hyatt Denver 1750 Welton St. Denver, CO 80202,
Directions to the event (if appropriate, please also include relevant information about parking, the specific building, and best entrance to use)	
Where to meet POC	Registration desk for event – meet Shannon Broome there.

Event Description and Role of the EPA official

Brief description or outline of the event	This is the annual conference on air quality for the oil and gas and mining industries.
Brochure, invitation and/or other event material(s)	https://www.rmmlf.org/conferences/air4-air-quality-issues-affecting-oil-gas-and-mining-development-and-operations/overview#tab
Agenda and order of speakers and biography/information of other speakers	https://www.rmmlf.org/conferences/air4-air-quality-issues-affecting-oil-gas-and-mining-development-and-operations/overview#tab
Name of person introducing EPA official	TBD
Basic information about the role of the EPA official at the event. (For example, will they serve as a keynote speaker? Participate on a panel? Take part in a press conference? Tour a facility?)	Will give kickoff keynote speech for the conference.
If the EPA official is a featured speaker, which topic(s) should they address and how long?	Yes, she is the keynote and 30 minutes would be a good length. Focus should be on what changes the administration is planning to make. Focus on the oil and gas rules would be helpful.
What rules would the audience like to hear about?	NSPS Quad O, Quad Oa, Information Collection Request, New Source Review
Will there be time for Q&A? If so, who will be moderating?	It is up to Mandy if she wants to take questions.

Do you have a sense of the types of questions that may be asked?	All will be focused on issues affecting oil and gas industry if she takes them. We can script questions if that would be of more use.
Recommendations on the use of visuals/PowerPoint. Should the EPA official plan on using a PowerPoint Presentation?	No. If she wants to do that, she can though.
What is the physical layout of the room (e.g. size, and format of the interaction; podium, seated in armchair dialogue, or at a table, etc.)	Podium with audience in seating.

About the Audience

Please tell us about the make-up of the audience for the event:	oil and gas industry and mining industry
Expected number in attendance at the event	several hundred
Will it be largely members of your organization?	yes
Will others be in attendance? If so, who will be at the event? (General public, Businesspeople, Educators, Families, Students – what grade level, Children – how old)	Anyone can register to attend. There will be some ENGOs and state regulators in addition to industry representatives.
Others? (Please describe)	
Is the event open to press?	Not sure. We will follow up on this question.

Contact Information

Your name:	Shannon S. Broome
Telephone Number:	415-818-2275
Mailing Address:	50 California Street, Suite 1700 San Francisco, CA 94111
E-Mail Address:	sbroome@hunton.com
Cell Phone Number:	Ex. 6 - Personal Privacy
Fax Number:	
Best way to reach you at the event?	Cell Phone

EPA Contact Person

Emily Atkinson, Administrative Speech Coordinator: 202-564-1850

John Millett, Communications Director: 202-564-2903

Event Information Form

This form has been designed to assist in planning participation in events and activities.
This is not a confirmation of attendance.

Basic Background

Name of Event	The American College of Environmental Lawyers (ACOEL) has asked for a chance to interview Assistant Administrator Bill Wehrum. The interview would be by conference call, where members of the ACOEL would be invited to call in.
Sponsoring Organization	ACOEL
Date of Event	Friday, April 27, 2018
Time of Event	2 p.m. eastern time
Expected time of remarks or participation by EPA official	1 hour
Location (please include city/town and street address)	If has been suggested that a good place to do the interview is at EPA HQ, Washington, DC. That works for ACOEL.
Directions to the event (if appropriate, please also include relevant information about parking, the specific building, and best entrance to use)	Not applicable
Where to meet POC	Not applicable

Event Description and Role of the EPA official

Brief description or outline of the event	<p>The ACOEL is a professional association of lawyers who practice in the field of environmental law and who are recognized by their peers as preeminent in their field. College members include private practitioners, those in academia, government attorneys, and those representing non-profit advocacy groups. Further information on the ACOEL and its approximately 250 members can be find on its website: http://www.acoel.org</p> <p>Periodically, the ACOEL meets with/interviews those in decision-making positions within EPA and other government agencies. In this case, we would like to interview Assistant Administrator Bill Wehrum and conduct the interview by conference call so that members can listen in. The interview is intended to be an informal conversation and will not be recorded by the ACOEL.</p>
Brochure, invitation and/or other event material(s)	Not applicable
Agenda and order of speakers and biography/information of other speakers	Not applicable.
Name of person introducing EPA official	ACOEL member Andrea Field will introduce Bill Wehrum and conduct the interview.

Basic information about the role of the EPA official at the event. (For example, will they serve as a keynote speaker? Participate on a panel? Take part in a press conference? Tour a facility?)	Interview
If the EPA official is a featured speaker, which topic(s) should they address and how long?	In an interview format, we plan to ask Bill Wehrum about his priorities for this year and next.
What rules would the audience like to hear about?	Members would like to hear more about those issues that are described as being of the highest priority for the Air Office.
Will there be time for Q&A? If so, who will be moderating?	We'd like to set aside time for Q&A if Mr. Wehrum is willing.
Do you have a sense of the types of questions that may be asked?	Members can be expected to ask about EPA's priorities (and why certain items are priorities) and the likely timing of anticipated activities by EPA's Air Office.
Recommendations on the use of visuals/PowerPoint. Should the EPA official plan on using a PowerPoint Presentation?	This will be a telephone conference call. No visuals/PowerPoint are called for.
What is the physical layout of the room (e.g. size, and format of the interaction; podium, seated in armchair dialogue, or at a table, etc.)	The interview will take place at EPA HQ Washington, DC, in a room chosen by EPA. ACOEL will provide the call-in number. We would just need a phone line/speaker phone.

About the Audience

Please tell us about the make-up of the audience for the event:	ACOEL members (see description above).
Expected number in attendance at the event	Based on participation in previous calls, we expect 60-80 people to participate on this call.
Will it be largely members of your organization?	The audience will be <i>solely</i> members of the ACOEL.
Will others be in attendance? If so, who will be at the event? (General public, Businesspeople, Educators, Families, Students – what grade level, Children – how old)	No others will be in attendance.
Others? (Please describe)	None
Is the event open to press?	No

Contact Information

Your name:	Andrea Field
Telephone Number:	202-955-1558
Mailing Address:	Hunton & Williams LLP, 2200 Pennsylvania Ave., N.W., Washington D.C. 20037
E-Mail Address:	afield@hunton.com
Cell Phone Number:	Ex. 6 - Personal Privacy
Fax Number:	202-828-3712
Best way to reach you at the event?	By text or email

EPA Contact Person

Emily Atkinson, Administrative Speech Coordinator: 202-564-1850

John Millett, Communications Director: 202-564-2903

To: Field, Andrea[afield@hunton.com]
Cc: Atkinson, Emily[Atkinson.Emily@epa.gov]
Sent: Tue 3/20/2018 8:03:17 PM
Subject: FW: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum
[Event Form OAR \(for ACOEL Interview with Bill Wehrum_68823133_1.DOCX\)](#)

Many thanks! We'll work to get this scheduled and will reach out if we have questions.

E

From: Field, Andrea [<mailto:afield@hunton.com>]
Sent: Tuesday, March 20, 2018 4:01 PM
To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum

Dear Isabel –

Attached is a completed “event form.” If you need any additional information, please let me know. Thank you for your help.

Andrea Field



Andrea Field
Partner

afield@hunton.com
p 202.955.1558

[bio](#) | [vCard](#)

Hunton & Williams LLP
2200 Pennsylvania Avenue, NW
Washington, DC 20037

hunton.com

From: DeLuca, Isabel [<mailto:DeLuca.Isabel@epa.gov>]
Sent: Monday, March 19, 2018 5:12 PM
To: Field, Andrea
Subject: RE: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum

Thanks, Andrea. Bill is traveling on April 11 and 12, so wouldn't be available those days, but his schedule is still pretty open the week of April 23-27, especially on the 27th. Would you be willing to fill out a speaker request form (attached) with your preferred time? This will help us schedule it. I'll get back to you on the question about live Q&A as soon as possible.

Many thanks,

Isabel

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Again, thank you for getting back to me. I look forward to hearing back from you about Bill's availability later in April.

Andrea Field



Andrea Field

Partner

afield@hunton.com
p 202.955.1558

[bio](#) | [vCard](#)

Hunton & Williams LLP
2200 Pennsylvania Avenue, NW
Washington, DC 20037

hunton.com

From: DeLuca, Isabel [<mailto:DeLuca.Isabel@epa.gov>]
Sent: Monday, March 19, 2018 3:44 PM
To: Field, Andrea
Subject: FW: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum

Dear Ms. Field,

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Bill would be happy to have an interview with you, and I am writing to see about scheduling. Would you prefer an interview by phone, or in person? If in person, would it be possible for you to come to EPA? As far as dates, Bill's schedule is fairly booked for the next couple of weeks, but looking ahead, the week of April 2nd is more open, if there is a time that week that would work for you. On April 5th, Bill's schedule is flexible between 11AM and 4PM, and on April 6th, his schedule is flexible between 10AM and 2PM.

Please let me know some times that would work for you, and we can put this on Bill's calendar. Also, if you could let me know the topics you would like to cover, that would be great.

Many thanks,

Isabel DeLuca

Deputy Director of Communications

Office of Air and Radiation, US EPA

(202) 343-9247

From: Field, Andrea [<mailto:afield@hunton.com>]
Sent: Thursday, February 15, 2018 4:12 PM
To: Atkinson, Emily <Atkinson.Emily@epa.gov>
Subject: Request of the American College of Environmental Lawyers for an Interview with Bill Wehrum

Ms. Atkinson –

The American College of Environmental Lawyers (ACOEL) is a professional association of lawyers who practice in the field of environmental law and who are dedicated to maintaining and improving the ethical practice of environmental law. See www.acoel.org. On behalf of the ACOEL, I am asking if a time can be arranged for one of our members to interview Assistant Administrator Wehrum. The interview would likely be conducted by the current president of the ACOEL – John Cruden – or by me (I am a former partner of Bill's).

If you need any additional information on the ACOEL or about topics that might be covered in the interview, please let me know. Thank you in advance for considering this request.

Andrea Field



Andrea Field

Partner

afield@hunton.com

p 202.955.1558

[bio](#) | [vCard](#)

Hunton & Williams LLP
2200 Pennsylvania Avenue, NW
Washington, DC 20037

hunton.com

Event Information Form

This form has been designed to assist in planning participation in events and activities.
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Basic Background

Name of Event	The American College of Environmental Lawyers (ACOEL) has asked for a chance to interview Assistant Administrator Bill Wehrum. The interview would be by conference call, where members of the ACOEL would be invited to call in.
Sponsoring Organization	ACOEL
Date of Event	Friday, April 27, 2018
Time of Event	2 p.m. eastern time
Expected time of remarks or participation by EPA official	1 hour
Location (please include city/town and street address)	If has been suggested that a good place to do the interview is at EPA HQ, Washington, DC. That works for ACOEL.
Directions to the event (if appropriate, please also include relevant information about parking, the specific building, and best entrance to use)	Not applicable
Where to meet POC	Not applicable

Event Description and Role of the EPA official

Brief description or outline of the event	<p>The ACOEL is a professional association of lawyers who practice in the field of environmental law and who are recognized by their peers as preeminent in their field. College members include private practitioners, those in academia, government attorneys, and those representing non-profit advocacy groups. Further information on the ACOEL and its approximately 250 members can be find on its website: http://www.acoel.org</p> <p>Periodically, the ACOEL meets with/interviews those in decision-making positions within EPA and other government agencies. In this case, we would like to interview Assistant Administrator Bill Wehrum and conduct the interview by conference call so that members can listen in. The interview is intended to be an informal conversation and will not be recorded by the ACOEL.</p>
Brochure, invitation and/or other event material(s)	Not applicable
Agenda and order of speakers and biography/information of other speakers	Not applicable.
Name of person introducing EPA official	ACOEL member Andrea Field will introduce Bill Wehrum and conduct the interview.

Basic information about the role of the EPA official at the event. (For example, will they serve as a keynote speaker? Participate on a panel? Take part in a press conference? Tour a facility?)	Interview
If the EPA official is a featured speaker, which topic(s) should they address and how long?	In an interview format, we plan to ask Bill Wehrum about his priorities for this year and next.
What rules would the audience like to hear about?	Members would like to hear more about those issues that are described as being of the highest priority for the Air Office.
Will there be time for Q&A? If so, who will be moderating?	We'd like to set aside time for Q&A if Mr. Wehrum is willing.
Do you have a sense of the types of questions that may be asked?	Members can be expected to ask about EPA's priorities (and why certain items are priorities) and the likely timing of anticipated activities by EPA's Air Office.
Recommendations on the use of visuals/PowerPoint. Should the EPA official plan on using a PowerPoint Presentation?	This will be a telephone conference call. No visuals/PowerPoint are called for.
What is the physical layout of the room (e.g. size, and format of the interaction; podium, seated in armchair dialogue, or at a table, etc.)	The interview will take place at EPA HQ Washington, DC, in a room chosen by EPA. ACOEL will provide the call-in number. We would just need a phone line/speaker phone.

About the Audience

Please tell us about the make-up of the audience for the event:	ACOEL members (see description above).
Expected number in attendance at the event	Based on participation in previous calls, we expect 60-80 people to participate on this call.
Will it be largely members of your organization?	The audience will be <i>solely</i> members of the ACOEL.
Will others be in attendance? If so, who will be at the event? (General public, Businesspeople, Educators, Families, Students – what grade level, Children – how old)	No others will be in attendance.
Others? (Please describe)	None
Is the event open to press?	No

Contact Information

Your name:	Andrea Field
Telephone Number:	202-955-1558
Mailing Address:	Hunton & Williams LLP, 2200 Pennsylvania Ave., N.W., Washington D.C. 20037
E-Mail Address:	afield@hunton.com
Cell Phone Number:	Ex. 6 - Personal Privacy
Fax Number:	202-828-3712
Best way to reach you at the event?	By text or email

EPA Contact Person

Emily Atkinson, Administrative Speech Coordinator: 202-564-1850

John Millett, Communications Director: 202-564-2903

To: Webb, C. Flint[C.FLINT.WEBB@leidos.com]
Cc: William L. Wehrum[wwehrums@hunts.com]; cfontanesi@awma.org[cfontanesi@awma.org]; Gunasekara, Mandy[Gunasekara.Mandy@epa.gov]; jcmuffat@yahoo.com[jcmuffat@yahoo.com]
From: Dominguez, Alexander
Sent: Mon 10/2/2017 4:21:48 PM
Subject: RE: EXTERNAL: A&WMA's Conference "Finding Common Ground on Climate Change Mitigation and Adaption" Scheduled for October 10th and 11th in Arlington VA

Could she speak on the 11th? Mandy is on work-related travel on the 10th.

-----Original Message-----

From: Webb, C. Flint [mailto:C.FLINT.WEBB@leidos.com]
Sent: Monday, October 2, 2017 12:08 PM
To: Dominguez, Alexander <dominguez.alexander@epa.gov>
Cc: William L. Wehrum <wwehrums@hunts.com>; cfontanesi@awma.org; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; jcmuffat@yahoo.com
Subject: RE: EXTERNAL: A&WMA's Conference "Finding Common Ground on Climate Change Mitigation and Adaption" Scheduled for October 10th and 11th in Arlington VA

Alex, What can we do to resolve the scheduling issue? Do we need to find a last minute replacement? It is probably too late to reflect the change in the Final Program.

Flint Webb, P.E.
C.Flint.Webb@Leidos.com
Baltimore-Washington Chapter: Vice Chair Technical Council: Climate Change Division Vice Chair
Finding Common Ground on Climate Change Mitigation and Adaptation:
General Conference Chair
South Atlantic States Section: Director
Air & Waste Management Association
Work: 571-526-7706
Cell: 703-582-8094

-----Original Message-----

From: Gunasekara, Mandy [mailto:Gunasekara.Mandy@epa.gov]
Sent: Monday, October 02, 2017 11:59 AM
To: Webb, C. F. [US-US]; Dominguez, Alexander
Cc: William L. Wehrum; cfontanesi@awma.org
Subject: Re: EXTERNAL: A&WMA's Conference "Finding Common Ground on Climate Change Mitigation and Adaption" Scheduled for October 10th and 11th in Arlington VA

I have a scheduling issue on the 10th that needs to be worked out. I apologize. Please work with Alex (CC'd).

Sent from my iPhone

> On Oct 2, 2017, at 11:49 AM, Webb, C. Flint <C.FLINT.WEBB@leidos.com> wrote:

>

> Thank you for stepping up to keynote our conference at the at the DoubleTree hotel at 300 Army Navy Drive, Arlington, VA, October 10th. As General Conference Chair, I will have the honor of introducing you and I wanted to go over a few things ahead of time.

>

> Bio: Please provide me with a brief bio for me to use to introduce you. How do you want us to show your name in the program?

> 1) Amanda (Mandy) Gunasekara, Senior Policy Advisor to the Administrator for the Office of Air and

Radiation, U.S. EPA

> 2) Amanda Gunasekara, ...

> 3) Mandy Gunasekara, ...

>

> Speaker's Breakfast: There will be a speaker's Breakfast. There is a Presenter's Breakfast 7:30-8:30 am. There will be tables set up for each conference session. I will be at the Climate Communication Panel Session table. I would recommend that you come to the Breakfast so you can find out about any last-minute changes. You can also check the web site

<https://www.awma.org/content.asp?admin=Y&contentid=311> for the final program.

>

> Presentation: Please provide me with your PowerPoint presentation and I will load it onto the computer for presentation.

>

> Schedule: After the Presenter's Breakfast at 8:30-8:40 am I am scheduled to make a few welcoming remarks after which I will introduce you. Please try to keep your presentation to 20-30 minutes so there is adequate time for questions and answers. I will give you 5, 3 and 2 minute warning using hand signals. After your presentation I will thank you and introduce Clara Poffenberger who will then introduce the Climate Policy Update Panel. Our understanding is that you will not be able to join us on the panel, but if that is correct let me know and we can include you on the panel. The panel is scheduled to run from 9:10-10:10 am.

>

> If you have ANY questions please don't hesitate to contact me or Cindy Fontanesi (copied on this e-mail). Cindy is our conference planner.

>

> See you on the 10th!

>

> Flint Webb, P.E.

> C.Flint.Webb@Leidos.com

> Baltimore-Washington Chapter: Vice Chair Technical Council: Climate

> Change Division Vice Chair Finding Common Ground on Climate Change

> Mitigation and Adaptation:

> General Conference Chair

> South Atlantic States Section: Director Air & Waste Management

> Association

> Work: 571-526-7706

> Cell: 703-582-8094

> -----Original Message-----

> From: Jeffry Muffat [mailto:jcmuffat@yahoo.com]

> Sent: Thursday, September 14, 2017 8:08 AM

> To: gunasekara.mandy@epa.gov

> Cc: William L. Wehrum; cfontanesi@awma.org

> Subject: EXTERNAL: A&WMA's Conference "Finding Common Ground on

> Climate Change Mitigation and Adaption" Scheduled for October 10th and

> 11th in Arlington VA

>

> Mandy:

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> Thank you so much for agreeing to Keynote A&WMA's Conference on Climate Change. The Conference is scheduled for Oct 10-11, 2017 in Arlington, VA and promises to be a great opportunity to exchange meaningful information on the current thinking relative to climate change and how we can mitigate any adverse effects and adapt to the potential consequences. The Association values EPA's thinking and is excited to provide the forum for discussion to our membership and other parties involved in the discussion.

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> Retired Manager of 3M Environmental Reg Affairs Treasurer of Air & Waste Management Association .

To: Webb, C. Flint[C.FLINT.WEBB@leidos.com]; Stephanie Glyptis[SGlyptis@AWMA.ORG]; Dominguez, Alexander[dominguez.alexander@epa.gov]; wwehrum@hunton.com[wwehrum@hunton.com]; Cindy Fontanesi[CFontanesi@AWMA.ORG]; Gunasekara, Mandy[Gunasekara.Mandy@epa.gov]; jcmuffat[jcmuffat@yahoo.com]
Cc: Tracy Fedkoe[TFedkoe@AWMA.ORG]; cnelson[cnelson@mmm.com]; michele.gehring@coterie-env.com[michele.gehring@coterie-env.com]
From: Fu, Joshua S
Sent: Mon 10/2/2017 9:03:00 PM
Subject: Re: (UPDATE) RE: Climate Change Keynote Mandy

It is a big release.

Joshua

On 10/2/17, 2:09 PM, "Webb, C. Flint" <C.FLINT.WEBB@leidos.com> wrote:

>Thank you for taking care of this!

>

>

>Flint Webb, P.E.

>C.Flint.Webb@Leidos.com

>Baltimore-Washington Chapter: Vice Chair

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>Sent: Monday, October 02, 2017 2:04 PM

>To: dominguez.alexander@epa.gov; wwehrum@hunton.com; Cindy Fontanesi;

>Gunasekara.Mandy@epa.gov; jcmuffat; Webb, C. F. [US-US]

>Cc: Tracy Fedkoe; cnelson; michele.gehring@coterie-env.com

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>jcmuffat <jcmuffat@yahoo.com>
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>>As General Conference Chair, I will have the honor of introducing you
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>> See you on the 10th!

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From: Stephanie Glyptis
Sent: Mon 10/2/2017 6:42:57 PM
Subject: RE: (UPDATE) RE: Climate Change Keynote Mandy

Flint,
Cindy and I have all the relevant information from Alex. We are connected with Ms. Dravis' office and will be taking it from here.

Thanks,
Stephanie

Stephanie M. Glyptis
Executive Director
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Sent: Monday, October 02, 2017 2:42 PM
To: dominguez.alexander@epa.gov; Cindy Fontanesi <CFontanesi@AWMA.ORG>
Cc: Tracy Fedkoe <TFedkoe@AWMA.ORG>; cnelson <cnelson@mmm.com>; michele.gehring@coterie-env.com; Stephanie Glyptis <SGlyptis@AWMA.ORG>; Gunasekara.Mandy@epa.gov; jcmuffat <jcmuffat@yahoo.com>; wwhehrum@hunton.com
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Please either pass on the original e-mail I sent to Mandy to Ms. Dravis or provide me with her e-mail so she has the information about the Speaker's Breakfast, the Presentation, and the schedule.

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> South Atlantic States Section: Director Air & Waste Management

> Association

> Work: 571-526-7706

> Cell: 703-582-8094

> -----Original Message-----

> From: Jeffry Muffat [mailto:jcmuffat@yahoo.com]

> Sent: Thursday, September 14, 2017 8:08 AM

> To: gunasekara.mandy@epa.gov

> Cc: William L. Wehrum; cfontanesi@awma.org

> Subject: EXTERNAL: A&WMA's Conference "Finding Common Ground on

> Climate Change Mitigation and Adaption" Scheduled for October 10th and

> 11th in Arlington VA

>

> Mandy:

>

> Thank you so much for agreeing to Keynote A&WMA's Conference on Climate Change. The Conference is scheduled for Oct 10-11, 2017 in Arlington, VA and promises to be a great opportunity to exchange meaningful information on the current thinking relative to climate change and how we can mitigate any adverse effects and adapt to the potential consequences. The Association values EPA's thinking and is excited to provide the forum for discussion to our membership and other parties involved in the discussion.

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you in the Program at the Keynoter and then to send out a special mailing/notice announcing Administrator Pruitt as the Keynoter should he decide to speak.

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> Cindy Fontanesi from A&WMA Headquarters in Pittsburgh will be in touch with you today to work out the details.

>

> Again, thank you so much for agreeing to speak at our upcoming Conference.

>

> Jeff Muffat

> Retired Manager of 3M Environmental Reg Affairs Treasurer of Air & Waste Management Association .

To: Dominguez, Alexander[dominguez.alexander@epa.gov]
Cc: William L. Wehrum[wwehrums@hutton.com]; cfontanesi@awma.org[cfontanesi@awma.org]; Gunasekara, Mandy[Gunasekara.Mandy@epa.gov]; jcmuffat@yahoo.com[jcmuffat@yahoo.com]
From: Webb, C. Flint
Sent: Mon 10/2/2017 4:33:59 PM
Subject: RE: EXTERNAL: A&WMA's Conference "Finding Common Ground on Climate Change Mitigation and Adaption" Scheduled for October 10th and 11th in Arlington VA

We have Vice Admiral Dennis McGinn keynoting on the 11th. The organization of the conference is that we were going to deal with policy issues on the 10th and then adaptation and mitigation on the 11th. Ideally we would need to flip the whole schedule. A month ago I would be willing to entertain the idea but at this late date I'm afraid that people have already made their travel plans to appear on the day of their presentation. Is there anyone else at the Agency that can talk about climate change policy? We may be able to add her as a second keynote speaker on the 11th but then we would be without ANY keynote speaker on the first day of the conference.

Flint Webb, P.E.
 C.Flint.Webb@Leidos.com
 Baltimore-Washington Chapter: Vice Chair
 Technical Council: Climate Change Division Vice Chair
 Finding Common Ground on Climate Change Mitigation and Adaptation:
 General Conference Chair
 South Atlantic States Section: Director
 Air & Waste Management Association
 Work: 571-526-7706
 Cell: 703-582-8094

-----Original Message-----

From: Dominguez, Alexander [mailto:dominguez.alexander@epa.gov]
 Sent: Monday, October 02, 2017 12:22 PM
 To: Webb, C. F. [US-US]
 Cc: William L. Wehrum; cfontanesi@awma.org; Gunasekara, Mandy; jcmuffat@yahoo.com
 Subject: RE: EXTERNAL: A&WMA's Conference "Finding Common Ground on Climate Change Mitigation and Adaption" Scheduled for October 10th and 11th in Arlington VA

Could she speak on the 11th? Mandy is on work-related travel on the 10th.

-----Original Message-----

From: Webb, C. Flint [mailto:C.FLINT.WEBB@leidos.com]
 Sent: Monday, October 2, 2017 12:08 PM
 To: Dominguez, Alexander <dominguez.alexander@epa.gov>
 Cc: William L. Wehrum <wwehrums@hutton.com>; cfontanesi@awma.org; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; jcmuffat@yahoo.com
 Subject: RE: EXTERNAL: A&WMA's Conference "Finding Common Ground on Climate Change Mitigation and Adaption" Scheduled for October 10th and 11th in Arlington VA

Alex, What can we do to resolve the scheduling issue? Do we need to find a last minute replacement? It is probably too late to reflect the change in the Final Program.

Flint Webb, P.E.
 C.Flint.Webb@Leidos.com
 Baltimore-Washington Chapter: Vice Chair Technical Council: Climate Change Division Vice Chair
 Finding Common Ground on Climate Change Mitigation and Adaptation:

General Conference Chair
South Atlantic States Section: Director
Air & Waste Management Association
Work: 571-526-7706
Cell: 703-582-8094

-----Original Message-----

From: Gunasekara, Mandy [mailto:Gunasekara.Mandy@epa.gov]
Sent: Monday, October 02, 2017 11:59 AM
To: Webb, C. F. [US-US]; Dominguez, Alexander
Cc: William L. Wehrum; cfontanesi@awma.org
Subject: Re: EXTERNAL: A&WMA's Conference "Finding Common Ground on Climate Change Mitigation and Adaption" Scheduled for October 10th and 11th in Arlington VA

I have a scheduling issue on the 10th that needs to be worked out. I apologize. Please work with Alex (CC'd).

Sent from my iPhone

> On Oct 2, 2017, at 11:49 AM, Webb, C. Flint <C.FLINT.WEBB@leidos.com> wrote:

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> Thank you for stepping up to keynote our conference at the at the DoubleTree hotel at 300 Army Navy Drive, Arlington, VA, October 10th. As General Conference Chair, I will have the honor of introducing you and I wanted to go over a few things ahead of time.

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> Bio: Please provide me with a brief bio for me to use to introduce you. How do you want us to show your name in the program?

> 1) Amanda (Mandy) Gunasekara, Senior Policy Advisor to the Administrator for the Office of Air and Radiation, U.S. EPA

> 2) Amanda Gunasekara, ...

> 3) Mandy Gunasekara, ...

>

> Speaker's Breakfast: There will be a speaker's Breakfast. There is a Presenter's Breakfast 7:30-8:30 am. There will be tables set up for each conference session. I will be at the Climate Communication Panel Session table. I would recommend that you come to the Breakfast so you can find out about any last-minute changes. You can also check the web site <https://www.awma.org/content.asp?admin=Y&contentid=311> for the final program.

>

> Presentation: Please provide me with your PowerPoint presentation and I will load it onto the computer for presentation.

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> Schedule: After the Presenter's Breakfast at 8:30-8:40 am I am scheduled to make a few welcoming remarks after which I will introduce you. Please try to keep your presentation to 20-30 minutes so there is adequate time for questions and answers. I will give you 5, 3 and 2 minute warning using hand signals. After your presentation I will thank you and introduce Clara Poffenberger who will then introduce the Climate Policy Update Panel. Our understanding is that you will not be able to join us on the panel, but if that is correct let me know and we can include you on the panel. The panel is scheduled to run from 9:10-10:10 am.

>

> If you have ANY questions please don't hesitate to contact me or Cindy Fontanesi (copied on this e-mail). Cindy is our conference planner.

>

> See you on the 10th!

>

> Flint Webb, P.E.

> C.Flint.Webb@Leidos.com
> Baltimore-Washington Chapter: Vice Chair Technical Council: Climate
> Change Division Vice Chair Finding Common Ground on Climate Change
> Mitigation and Adaptation:
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> Work: 571-526-7706
> Cell: 703-582-8094
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> From: Jeffry Muffat [mailto:jcmuffat@yahoo.com]
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Cc: William L. Wehrum[wwehrums@hunts.com]; cfontanesi@awma.org[cfontanesi@awma.org]; Gunasekara, Mandy[Gunasekara.Mandy@epa.gov]; jcmuffat@yahoo.com[jcmuffat@yahoo.com]
From: Webb, C. Flint
Sent: Mon 10/2/2017 4:07:53 PM
Subject: RE: EXTERNAL: A&WMA's Conference "Finding Common Ground on Climate Change Mitigation and Adaption" Scheduled for October 10th and 11th in Arlington VA

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 Work: 571-526-7706
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-----Original Message-----

From: Gunasekara, Mandy [mailto:Gunasekara.Mandy@epa.gov]
 Sent: Monday, October 02, 2017 11:59 AM
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 Cc: William L. Wehrum; cfontanesi@awma.org
 Subject: Re: EXTERNAL: A&WMA's Conference "Finding Common Ground on Climate Change Mitigation and Adaption" Scheduled for October 10th and 11th in Arlington VA

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> See you on the 10th!

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> Mitigation and Adaptation:

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Cc: William L. Wehrum[wwehrums@huntington.com]; cfontanesi@awma.org[cfontanesi@awma.org]
From: Gunasekara, Mandy
Sent: Mon 10/2/2017 3:59:00 PM
Subject: Re: EXTERNAL: A&WMA's Conference "Finding Common Ground on Climate Change Mitigation and Adaptation" Scheduled for October 10th and 11th in Arlington VA

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> Jeff Muffat
> Retired Manager of 3M Environmental Reg Affairs Treasurer of Air & Waste Management Association .

To: Lewis, Josh[Lewis.Josh@epa.gov]; Loving, Shanita[Loving.Shanita@epa.gov]; Atkinson, Emily[Atkinson.Emily@epa.gov]
From: Glaser, Peter S.
Sent: Wed 11/29/2017 3:29:09 PM
Subject: Request for meeting with Bill Wehrum of the Southern Illinois Power Cooperative
[Response to Petition non-attainment designation Illinois 9.21.2017.pdf](#)

Good morning – I represent the Southern Illinois Power Cooperative. We would like to request a meeting with Mr. Wehrum at his earliest convenience to discuss the pending reconsideration of EPA's designation of Williamson County, Illinois as an SO2 nonattainment area. See attached. We will adjust our schedules to make ourselves available any time over the next few weeks, but we cannot do the mornings of 12/1, 12/18 or 12/19. Thank you very much.

Peter S. Glaser

Direct: 202.274.2998
peter.glaser@troutman.com

troutman sanders

401 9th Street, NW, Suite 1000
Washington, DC 20004
troutman.com

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To: Wehrum, Bill[Wehrum.Bill@epa.gov]
Cc: Catherine Boland[cboland@MEMA.ORG]; Lewis, Josh[Lewis.Josh@epa.gov]
From: Laurie Holmes
Sent: Fri 1/12/2018 3:55:34 PM
Subject: Auto Suppliers Meeting Request on the Midterm Evaluation for Vehicle GHG Standards

Bill, Thank you so much.

Josh, Look forward to hearing from you.

From: Wehrum, Bill [mailto:Wehrum.Bill@epa.gov]
Sent: Friday, January 12, 2018 7:38 AM
To: Laurie Holmes <lholmes@mema.org>
Cc: Catherine Boland <cboland@MEMA.ORG>; Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Re: Auto Suppliers Meeting Request on the Midterm Evaluation for Vehicle GHG Standards

Hi Laurie. I'd be happy to talk with you. I've copied my chief of staff, Josh Lewis, who can help coordinate.

Bill Wehrum

Assistant Administrator

Office of Air and Radiation

U.S. Environmental Protection Agency

(202) 564-7404

On Jan 11, 2018, at 1:33 PM, Laurie Holmes <lholmes@mema.org> wrote:

Bill:

MEMA would like to request a meeting to discuss the midterm evaluation on the vehicle greenhouse gas emission standards.

MEMA represents more than 1,000 companies that manufacture components, systems and materials for motor vehicles and represents the largest sector of manufacturing jobs in the

U.S. Since auto suppliers play a major role in developing the technologies necessary for vehicle emission reduction, suppliers have a strong interest in the midterm evaluation and the standards. Our position is also not identical to the vehicle manufactures on the issue.

It would be helpful if we could discuss with you the impact the program has had and will have on our industry.

Look forward to hearing from you.

Laurie Holmes

Senior Director, Environmental Policy

Motor & Equipment Manufacturers Association

1030 15th Street NW, Suite 500 East

Washington, DC 20005

Direct: 202-312-9247

Mobile: 202-422-6182

<image001.png>

April 10-11 | Washington, DC

www.mema.org/dcsummit

To: Laurie Holmes[lholmes@mema.org]
Cc: Catherine Boland[cboland@MEMA.ORG]; Lewis, Josh[Lewis.Josh@epa.gov]
From: Wehrum, Bill
Sent: Fri 1/12/2018 12:37:42 PM
Subject: Re: Auto Suppliers Meeting Request on the Midterm Evaluation for Vehicle GHG Standards

Hi Laurie. I'd be happy to talk with you. I've copied my chief of staff, Josh Lewis, who can help coordinate.

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

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Washington, DC 20005

Direct: 202-312-9247

Mobile: 202-422-6182

<image001.png>

April 10-11 | Washington, DC

www.mema.org/dcsummit

To: Wehrum, Bill[Wehrum.Bill@epa.gov]
From: Broome, Shannon S.
Sent: Mon 12/18/2017 8:06:50 PM
Subject: Speaker request

Bill,

I am reaching out on behalf of the Rocky Mountain Mineral Law Foundation, which is having its annual air quality conference in Denver on February 6-7, 2018 to invite you or one of your colleagues to speak on the EPA's plans for air regulation in the new administration. Here is a link to the conference website. The conference organizers tell us that the ideal time for you or your designee to speak would be on the morning of the 6th or the morning of the 7th as the keynote speaker, with a slight preference for the 6th. Could you please forward this request to the appropriate folks at EPA and I will be happy to work with them to arrange what makes sense if one of you are able to assist.

<https://www.rmmlf.org/conferences/air4-air-quality-issues-affecting-oil-gas-and-mining-development-and-operations/overview>

Best regards,



Shannon S. Broome

Partner

sbroome@hunton.com
415.975.3718 (SF)

202.955.1912 (DC)

415.818.2275 (cell)

Hunton & Williams LLP
50 California Street
Suite 1700
San Francisco, CA 94111

hunton.com

Check out Hunton's new Environmental and Energy Law Blog!
<https://www.huntonnickelreportblog.com/>

This communication is confidential and is intended to be privileged pursuant to applicable law. If the reader of this message is not the intended recipient, please advise by return email immediately and then delete this message and all copies and backups thereof.

To: Wehrum, Bill[Wehrum.Bill@epa.gov]
From: Kinsman, John
Sent: Mon 11/20/2017 2:12:17 AM
Subject: speaking engagement Dec. 6 at EEI

Bill – Congratulations on your Senate confirmation.

I am following up on EEI's request for you to address our environmental committees on December 6 in the late morning (although we might be able to fit you in later in the day also).

The core audience is the Air Quality Subcommittee, co-chaired by Ameren's Steve Whitworth and Dominion's Lenny Dupuis; previously John McManus led the committee for a decade or so. EEI membership includes all U.S. shareholder utility companies, plus TVA.

Thanks very much for considering our request.

John

John Kinsman

Sr. Director, Environment

Edison Electric Institute

701 Pennsylvania Avenue, N.W.

Washington, D.C. 20004

202/508-5711 (p)

202/255-9531 (cell)

jkinsman@eei.org

To: Wehrum, Bill[Wehrum.Bill@epa.gov]
From: Holmstead, Jeff
Sent: Thur 2/15/2018 10:25:30 PM
Subject: My Oral Statement from Yesterday's NSR hearing
Holmstead NSR Oral Testimony 2-14-18-3.docx

I suspect you didn't have the chance to watch yesterday's hearing. Nothing you wouldn't have expected, but I did use my oral statement to respond to John Walke's hysterical written testimony claiming that the Griffith reform bills would cause either "massive" or "enormous increases in dangerous air pollution" -- a claim he repeats 10 different times.

Attached is what I said in my oral statement.

Congressman Griffith also asked me about a statement on page 23 of John's testimony that says:

"In 2002, the Bush administration EPA weakened the clean air regulations at issue here, to insert loopholes and exemptions that let industry increase harmful air pollution significantly and evade any modern pollution controls to reduce emissions."

I thanked him for giving me a chance to respond and pulled out the graph from EPA's latest air trends report showing that air pollution has actually decreased by more than 30% in the U.S. since 2002.

JEFF HOLMSTEAD

Partner

jeff.holmstead@bracewell.com

T: +1.202.828.5852 | F: +1.800.404.3970

BRACEWELL LLP

2001 M Street NW, Suite 900 | Washington, D.C. | 20036-3310

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To: Brown, Byron[brown.byron@epa.gov]; Minoli, Kevin[Minoli.Kevin@epa.gov]; Wehrum, Bill[Wehrum.Bill@epa.gov]
From: Leland Frost
Sent: Thur 11/16/2017 2:16:36 AM
Subject: NAM holiday party

Hi Byron, Kevin, and Bill,

I wanted to let you know that you should have received an invitation today to NAM's holiday party. If you did not receive it, please let me know. I think the invites sometimes get caught in spam filters.

If you plan to attend, please make sure to RSVP because we will have a strict guest list. I wish we had been able to invite more of our friends, but we are already overcapacity. Hope to see you there!

All the best,

Leland P. Frost

National Association of Manufacturers

Associate General Counsel

Email: lfrost@nam.org

Direct: (202) 637-3475

Mobile: (205) 478-1717



[NAM Facebook](#) | [Twitter](#) | [Instagram](#) | [LinkedIn](#)

To: Wehrum, Bill[Wehrum.Bill@epa.gov]
From: Jay Timmons
Sent: Wed 11/15/2017 6:41:03 PM
Subject: Please Join Us for the NAM Holiday Party

I

Can't see the invitation? [View it online.](#)



To: Wehrum, William[wehrum.william@epa.gov]
Cc: wwhehrum@hunton.com[wwhehrum@hunton.com]
From: Dourson, Michael
Sent: Mon 11/13/2017 8:31:35 PM
Subject: Fwd: Welcoming Bill Wehrum as the Assistant Administrator for the Office of Air and Radiation

Bill

Congratulations!

Michael

Sent from my iPad

Begin forwarded message:

From: Message from the Chief of Staff <messagefromthechiefstaff@epa.gov>
Date: November 13, 2017 at 2:46:17 PM EST
To: Message from the Chief of Staff <messagefromthechiefstaff@epa.gov>
Subject: Welcoming Bill Wehrum as the Assistant Administrator for the Office of Air and Radiation

<image002.jpg>

Colleagues,

I am pleased to announce that last Thursday the U.S. Senate confirmed Bill Wehrum to serve as the Assistant Administrator for EPA's Office of Air and Radiation, and he was sworn in today. Please join me in welcoming him to EPA.

Bill has a long history of public service and his career includes over 31 years working in the environmental field through engineering, legal practice, and administrative duties. He previously served as EPA's Acting Assistant Administrator for Air and Radiation from 2005 to 2007 and also as EPA's Principal Deputy Assistant Administrator and counsel to the Assistant Administrator for Air and Radiation. He most recently worked as a partner and head of the Administrative Law Group at Hunton & Williams LLP, where his practice focused on air quality issues.

Bill comes to the agency with years of institutional knowledge that will help guide him through administering air quality issues for all Americans, and his experience will be vital to the agency's mission

to bring about regulatory reforms.

I would like to give a special thanks to Sarah Dunham, who has served as Acting Administrator for the Office of Air and Radiation.

Ryan Jackson,

Chief of Staff

**Oral Statement of Jeffrey R. Holmstead
before the
House Committee on Energy and Commerce
Subcommittee on Environment**

**Hearing on
New Source Review Permitting Challenges
for Manufacturing and Infrastructure
February 14, 2018**

Thank you for giving me the chance to testify this afternoon.

For almost 30 years, I have focused my professional career on the Clean Air Act – as a White House Staffer, as the head of the EPA Air Office, and as an attorney in private practice. I think that even my good friend John Walke from NRDC would concede that I am very familiar with all the Clean Air Act programs that apply to major manufacturing and energy facilities.

You might be surprised to know that there are many different CAA programs that regulate the very same pollutants from these very same facilities. For example, SO₂ and NO_x emissions from coal-fired power plants – the pollutants that have historically been of greatest concern – are regulated under at least 14 different Clean Air Act programs. Yes, 14.

Acid Rain
The NO_x SIP Call
MATS
NSPS
Regional Haze
The 110(a)(2)(d) “good neighbor” provision
Section 126
CSAPR
BART
The SO₂ NAAQS
The NO₂ NAAQS
The Ozone NAAQS
The PM_{2.5} NAAQS
and NSR.

If I had said the full names of these programs instead of the acronyms, I would

have used up all my time.

Over the last 25 years, regulators and policy analysts have learned a lot about regulatory policy – what works well and what doesn’t – and will tell you that some of these programs are much more effective than others. Because of all the overlapping regulatory programs, our society – you and I and all the people you represent – are paying much more than we need to pay for preserving and improving air quality. If we take advantage of the lessons that have been learned over the last 25 years and use only the most cost-effective approaches for reducing air pollution, we can achieve the same air quality goals that we have today at a much lower cost.

Today we are talking about just one Clean Air Act program known as new source review or NSR. As the name implies, this is an important program for regulating emissions from new sources – power plants and industrial facilities. But over the last 20 years, as EPA has tried to expand it to capture as many existing sources as possible, NSR has become a convoluted, burdensome, and completely unnecessary mess.

As someone who has worked on Clean Air policy for almost three decades, I can say with confidence that the NSR program, as it applies to existing facilities, is the least successful and most counterproductive of the dozens of programs created under the Clean Air Act. To the extent that it provides environmental benefits, those same benefits can be preserved by reforming the program in a thoughtful way and by relying on other, much more effective programs that regulate the same pollutants from the same facilities.

The critique offered by my friend from NRDC in his written testimony is more than a bit over the top. I did a word search last night and found 10 different places where he says that the reforms being proposed by Congressman Griffith would allow either **“massive” or “enormous” increases in “harmful air pollution”**; 15 places where he says the bills **would allow facilities to “evade pollution controls”**; and 11 places where he uses the words **“reckless” or “irresponsible”** to refer to the proposed reforms.

Statements like this are just plain silly – and demonstrably untrue. They ignore the fact that every single existing facility that is covered by the NSR program is also regulated by multiple other Clean Air Programs – in the case of coal-fired power plants, as many as 13 other programs that regulate the very same pollutants covered by NSR. I can guarantee that, even if the NSR program for existing facilities completely disappeared tomorrow, there would not be a “massive

increase in air pollution.” In fact, there would be no increase at all. Because of the many other programs that regulate the same pollutants from the same facilities, air pollution would continue to decrease as it has since 1990.

As I explain in my written statement, the reforms being proposed by Mr. Griffith would simply re-introduce some common sense into the NSR program and make sure that it does what it was intended to do:

1. Ensure that, when a new industrial facility is built or an existing facility is significantly expanded, modern pollution controls will be used to minimize its emissions; and
2. Ensure that the NSR program does not make it hard for companies to keep their facilities in good working order and, where possible, to reduce the operating cost of these facilities by making them more efficient.

* * * * *

Again, I thank you for inviting me here today, and I look forward to answering any questions that you may have.

From: Delahoyde, Magdelana A. EOP/WHO
Location: SoW, EEOB 230A (WAVES link in Calendar Notes)
Importance: Normal
Subject: Meeting to discuss CAFE-GHG standards
Start Date/Time: Mon 11/27/2017 9:00:00 PM
End Date/Time: Mon 11/27/2017 10:00:00 PM

Meeting will be with Auto Alliance and Global Automakers.

To: Delahoyde, Magdelana A. EOP/WHO; Catanzaro, Michael J. EOP/WHO; jonathan.morrison@dot.gov; King, Heidi (NHTSA); loren.smith@dot.gov; Owens, James (OST); Harris, Jeffrey M. EOP/OMB; Palmieri, Rosario A. EOP/OMB; Moran, John S. EOP/WHO; Neumayr, Mary B. EOP/CEQ; Dravis, Samantha; Bolen, Brittany; Gunasekara, Mandy; Baptist, Erik; Szabo, Aaron L. EOP/CEQ; Wehrum, Bill; dschwietert@autoalliance.org; jbozzella@globalautomakers.org

Subject: Meeting to discuss CAFE-GHG standards

WAVES link: <https://events.whitehouse.gov/?rid=YKPHQ233K7>

To: Pruitt, Scott[Pruitt.Scott@epa.gov]
Cc: Drinkard, Andrea[Drinkard.Andrea@epa.gov]; Wehrum, Bill[Wehrum.Bill@epa.gov];
wwehrum@hunton.com[wwehrum@hunton.com]; EUEC Info[info@euec.com]
From: Prabhu Dayal
Sent: Thur 12/14/2017 9:23:16 PM
Subject: Invite EPA Administrator. Scott Pruitt as Keynote Speaker at USA's Largest Energy Utility
Environment Conference - EUEC 2018: March 5, San Diego, California.
[2018EUEC-Brochure.pdf](#)

Hon. Scott Pruitt

Administrator, U.S. EPA

Washington, DC 20004

Dear Administrator Pruitt,

It is an honor and privilege to invite you to be our keynote speaker at EUEC 2018 - the 21st annual event, USA's largest Energy Utility Environment Conference to be held March 5 to 7, 2018 in San Diego, CA, with 2,000 delegates, 400 speakers, and 200 exhibits.

For the last 10 years, we have been fortunate to have with heads of EPA, DOE, and the CEO of a major Coal Electric Utility, and an NGO speak in the keynote session of EUEC, as shown listed below.

- US EPA Administrator or AA (Gina McCarthy, Janet McCabe)
- US DOE the Assistant or Deputy Secretary (Chris Smith, David Mohler)
- CEO of major coal fired electric utility, (Southern, Duke, AEP, Ameren, PNM, Allegheny, TEP, APS, SRP)
- Head of a NGO (CDP, NRDC, EDF)

I am copying Mr. Bill Wehrum, AA, US EPA Office of Air & Radiation, and his assistant, who have participated in the past and familiar with EUEC to help coordinate.

We plan to make your presentation most valuable and rewarding to the US EPA, and the 2,000 energy and utility professionals attending EUEC, and an additional 3,000 attending the Clean Car Expo promoting alternate fuel vehicles.

With best regards,

Prabhu Dayal, PhD, P.E.

Chairman, EUEC

info@euec.com

Phone (520) 615 3535

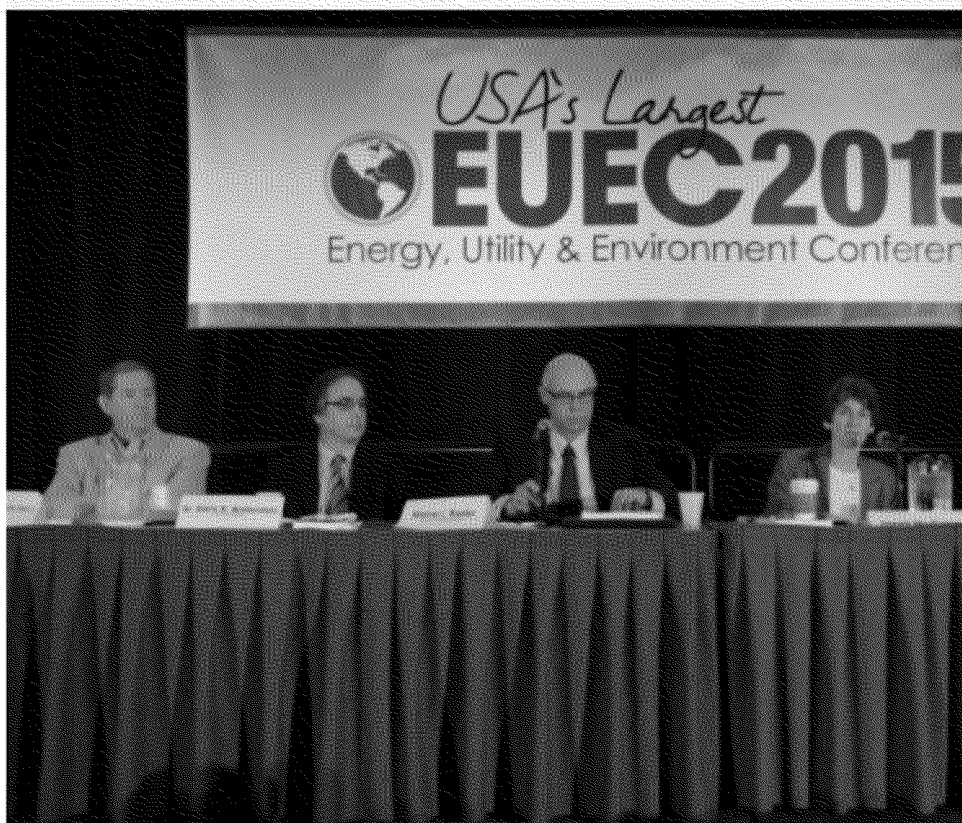
21st Annual EUEC Conference Co-located with Clean Car Expo



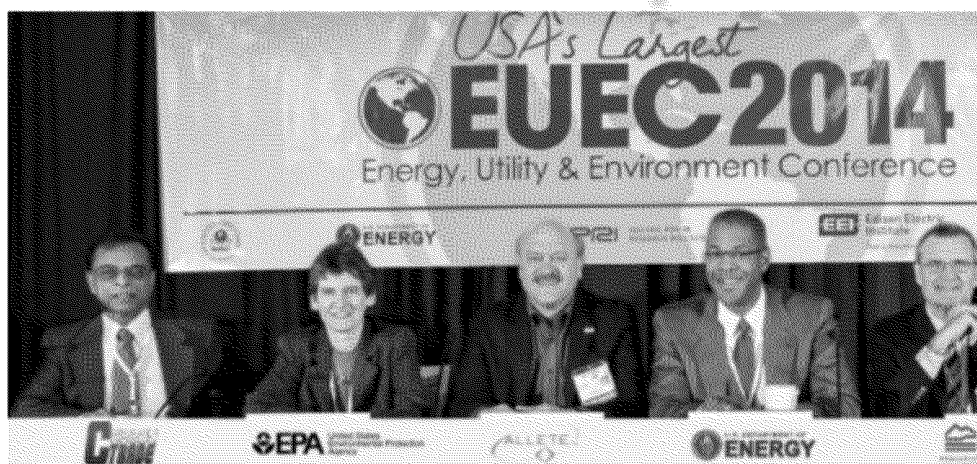
www.euec.com



www.CleanCarExpo.com



EUEC2015 Keynote Speakers from left to right: Len Hering, RADM, USN(Ret.); Dr. Barry Wallerstein, Executive Officer, South Co President and CEO, Ameren Corporation; Janet McCabe, Acting Assistant Secretary, US EPA;



EUEC2014 Keynote Speakers from left to right: Dr. Prabhu Dayal, EUEC Chair; Janet McCabe, Acting Assistant Secretary, US EPA; Assistant Secretary, US DOE; Phil Sharp, President, Resources for the Future; Dr. Bryan Hanneg

To: jkinsman@eei.org[jkinsman@eei.org]; Wehrum, Bill[Wehrum.Bill@epa.gov]
From: Harlow, David
Sent: Fri 12/8/2017 9:53:08 PM
Subject: RE: Many thanks

John,

Thank you for your kind words. I very much appreciated having the opportunity to meet with you and your group.

David S. Harlow
Senior Counsel

Immediate Office of the Assistant Administrator
Office of Air and Radiation, USEPA
WJC-N Room 5409K

1200 Pennsylvania Avenue NW
Washington, DC 20460
202-564-1233

Harlow.David@epa.gov

From: Kinsman, John [mailto:JKinsman@eei.org]
Sent: Friday, December 8, 2017 4:44 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: Harlow, David <harlow.david@epa.gov>
Subject: Many thanks

Bill –

Many thanks for sharing your thoughts with EEI's Air Quality Subcommittee. Your maiden voyage was very well received and we appreciate your time.

Congratulations on assembling an outstanding core team, including David.

John

John Kinsman

Sr. Director, Environment

Edison Electric Institute

701 Pennsylvania Avenue, N.W.

Washington, D.C. 20004

202/508-5711 (p)

202/255-9531 (cell)

202/508-5150 (f)

jkinsman@eei.org

To: Myron Ebell[Myron.Ebell@cei.org]; Bowman, Liz[Bowman.Liz@epa.gov]; Harlow, David[harlow.david@epa.gov]; Wehrum, Bill[Wehrum.Bill@epa.gov]
From: Bennett, Tate
Sent: Tue 2/6/2018 11:04:29 PM
Subject: RE: Thank you for coming to Cooler Heads yesterday

Thanks Myron!

From: Myron Ebell [mailto:Myron.Ebell@cei.org]
Sent: Tuesday, February 6, 2018 5:51 PM
To: Bowman, Liz <Bowman.Liz@epa.gov>; Bennett, Tate <Bennett.Tate@epa.gov>; Harlow, David <harlow.david@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Thank you for coming to Cooler Heads yesterday

Thanks Bill, David, Liz, and Tate, for coming to Cooler Heads and for your presentation and taking questions, Bill. It was most useful. We look forward to seeing any or all of you at future meetings. Our March meeting is on Monday, 5th March, beginning at noon at CEI. Bill, I'll send you a separate e-mail to request a meeting. Yours, Myron.

Myron Ebell

Director, Center for Energy and Environment

Competitive Enterprise Institute

1310 L Street, N. W., Seventh Floor

Washington, DC 20005, USA

Tel direct: (202) 331-2256

Tel mobile: (202) 320-6685

E-mail: Myron.Ebell@cei.org

Stop continental drift!

To: Wehrum, Bill[Wehrum.Bill@epa.gov]
From: Myron Ebell
Sent: Tue 2/6/2018 10:53:09 PM
Subject: Bill, We'd like to chat with you

Dear Bill, Steve Milloy and I (and perhaps Marlo Lewis) would like to come chat with you about a couple issues related to the use or rather misuse of science in the Clean Air Act regulatory process. We know you're swamped, so won't take a lot of your time. Yours, Myron.

Myron Ebell

Director, Center for Energy and Environment

Competitive Enterprise Institute

1310 L Street, N. W., Seventh Floor

Washington, DC 20005, USA

Tel direct: (202) 331-2256

Tel mobile: (202) 320-6685

E-mail: Myron.Ebell@cei.org

Stop continental drift!

To: Bowman, Liz[Bowman.Liz@epa.gov]; Bennett, Tate[Bennett.Tate@epa.gov]; Harlow, David[harlow.david@epa.gov]; Wehrum, Bill[Wehrum.Bill@epa.gov]
From: Myron Ebell
Sent: Tue 2/6/2018 10:50:31 PM
Subject: Thank you for coming to Cooler Heads yesterday

Thanks Bill, David, Liz, and Tate, for coming to Cooler Heads and for your presentation and taking questions, Bill. It was most useful. We look forward to seeing any or all of you at future meetings. Our March meeting is on Monday, 5th March, beginning at noon at CEI. Bill, I'll send you a separate e-mail to request a meeting. Yours, Myron.

Myron Ebell

Director, Center for Energy and Environment

Competitive Enterprise Institute

1310 L Street, N. W., Seventh Floor

Washington, DC 20005, USA

Tel direct: (202) 331-2256

Tel mobile: (202) 320-6685

E-mail: Myron.Ebell@cei.org

Stop continental drift!

To: wwehrum@hunton.com[wwehrum@hunton.com]
Cc: Wehrum, William[wehrum.william@epa.gov]
From: Kuhn, Thomas
Sent: Fri 11/10/2017 9:54:28 PM
Subject: Congratulations

Bill: On behalf of the Edison Electric Institute (EEI) and its member companies, I want to congratulate you on your confirmation as Assistant Administrator for Air and Radiation. The Administration is fortunate to have someone with your experience and knowledge to serve in such a demanding role.

Your unique legal and engineering background and understanding of complex Clean Air Act issues makes you one the most qualified individuals ever to lead the Office. Your skills and knowledge will be invaluable to Administrator Pruitt as the Agency works to protect public health and the environment, in tandem with states, while at the same time ensuring that the nation maintains jobs, and affordable and reliable supplies of energy.

EEI and I look forward to working with you in your new capacity. Please don't hesitate to call on me or any EEI team member if we can be of assistance.

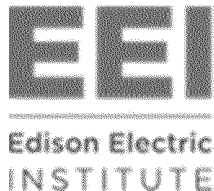
Tom Kuhn

President

Edison Electric Institute

202-508-5555

tkuhn@eei.org



To: Wehrum, Bill[Wehrum.Bill@epa.gov]; Wehrum, Bill[Wehrum.Bill@epa.gov]
From: Ross Eisenberg
Sent: Mon 1/29/2018 8:29:20 PM
Subject: Speaker invitation: Feb 5 NAM energy/environment committee meeting

Bill,

I hope all is well. I'd like to invite you to speak at the NAM's upcoming meeting of its energy and environment committees. The meeting is scheduled for Feb. 5 from 2-4 pm at NAM headquarters and would be off-the-record. Audience would be member companies and trade associations, all of whom are NAM members. We usually get 100 in the room and another 70-80 by phone. We have flexibility on time, so if you are able to attend at any point during the 2-4 pm window, we will carve out a 30-45 minute spot on the agenda for you.

As you know, your portfolio at EPA is far and away the most requested issue area from our committee members. If you have time to provide an update I'm sure the members would love it.

Ross Eisenberg

Vice President, Energy and Resources Policy

National Association of Manufacturers

Direct: 202.637.3173

Mobile: 703.517.1655

Email: reisenberg@nam.org

To: Wehrum, Bill[Wehrum.Bill@epa.gov]
Cc: Catherine Boland[cboland@MEMA.ORG]
From: Laurie Holmes
Sent: Thur 1/11/2018 6:32:28 PM
Subject: Auto Suppliers Meeting Request on the Midterm Evaluation for Vehicle GHG Standards

Bill:

MEMA would like to request a meeting to discuss the midterm evaluation on the vehicle greenhouse gas emission standards.

MEMA represents more than 1,000 companies that manufacture components, systems and materials for motor vehicles and represents the largest sector of manufacturing jobs in the U.S. Since auto suppliers play a major role in developing the technologies necessary for vehicle emission reduction, suppliers have a strong interest in the midterm evaluation and the standards. Our position is also not identical to the vehicle manufactures on the issue.

It would be helpful if we could discuss with you the impact the program has had and will have on our industry.

Look forward to hearing from you.

Laurie Holmes

Senior Director, Environmental Policy

Motor & Equipment Manufacturers Association

1030 15th Street NW, Suite 500 East

Washington, DC 20005

Direct: 202-312-9247

Mobile: 202-422-6182

2018 
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SUMMIT

April 10-11 | Washington, DC

www.mema.org/dcsummit

To: Jeff Beck[JBeck@autoalliance.org]
Cc: Hannah Izon[hizon@globalautomakers.org]
From: Jeff Beck
Sent: Wed 1/10/2018 2:33:57 AM
Subject: Washington DC Auto Show

Once again, the Auto Alliance and Global Automakers will host a tour of the Washington D.C. Auto Show for EPA appointees and staff to showcase the latest advancements in auto safety, fuel-efficiency and other innovative vehicle technologies. These tours are being organized before the Auto Show is open to the public.

This email serves to invite you to join us on the afternoon of Thursday, January 25th for the tour, followed by a sneak peek reception which begins at 5:00 PM.

Please use the following [link](#) to register by Wednesday, January 17th.

WHAT: Washington Auto Show

WHEN: Thursday, Jan. 25, 2018 – Start time roughly 2:00 p.m.

WHERE: Washington Convention Center

801 Mt Vernon Place NW

Washington, DC 20001

We look forward to seeing you and your colleagues at the show, and please do not hesitate to reach out to Jeff Beck (jbeck@autoalliance.org) or Hannah Izon (hizon@globalautomakers.org) with any questions.

Note, we will send out a final schedule a few days in advance of your particular tour for scheduling purposes.

Jeff Beck

To: Wehrum, Bill[Wehrum.Bill@epa.gov]
From: Gill, Julia Zemnick
Sent: Tue 11/28/2017 5:51:30 PM
Subject: Mandy's availability on Thursday - move time slots?

Hi Bill,

I'm sorry to ask you this, but do you think there's any chance that Mandy can move to a later time slot for our event on Thursday? We've run into a ton of scheduling conflicts. Can she do the 2:30-3:15 panel? I'm happy to reach out to her directly, but don't have her contact information.

Thanks so much for your help.

Julia

 **Julia Zemnick Gill, MBA**

Senior ALG Team Manager

jgill@hunton.com

p 202.955.1636

m 202.258.7718

www.huntonnickelreportblog.com

Hunton & Williams LLP
2200 Pennsylvania Avenue, NW
Washington, DC 20037

hunton.com

To: Wehrum, Bill[Wehrum.Bill@epa.gov]
From: Knauss, Chuck
Sent: Fri 1/5/2018 2:53:21 PM
Subject: FYI

2017-12-31 Mary Nichols Quoted in Guardian Article Re US Emission Standards.pdf - Adobe Acrobat Pro-c.pdf

“This Environmental Protection Agency doesn’t seem to have met an air regulation that it likes,” said Mary Nichols, chair of the California Air Resources Board and a former EPA assistant administrator. “I’ve not seen any evidence that this administration knows anything about the auto industry, they just seem to be against anything the Obama administration did. “Vehicle emissions are going up, so clearly not enough is being done on that front. The Trump administration is halting further progress at a critical point when we really need to get a grip on this problem.”

....

Nichols said she had been disturbed by signals coming from Pruitt and other EPA officials that she said show the federal government is looking to end California’s waiver. “We are very concerned because these standards are the bedrock of our whole climate change platform,” she said. “Scott Pruitt has made threatening noises about the Californian waiver, saying that we are trying to run the country. It feels like this is going to be the next shoe to drop. If it does, we will litigate and fight for our rights in the political arena with other states and consumer advocates.”

To: Wehrum, Bill[Wehrum.Bill@epa.gov]
From: Jaber, Makram
Sent: Tue 11/21/2017 11:21:22 AM
Subject: Invitation to speak

Dear Bill,

On behalf of American Electric Power, The Southern Company, Duke Energy, Dominion Energy, and the Utility Air Regulatory Group, I am pleased to invite you to speak to our group regarding air regulations and regulatory outlook. Our meeting is on the afternoon of Thursday, December 7, and the morning of Friday, December 8. We are flexible in terms of what time you would speak to us within those periods, so we ask you to let us know what time would be best for you.

Best Regards,

Makram

HUNTON & WILLIAMS **Makram Jaber**

Partner

mjaber@hunton.com

p 202.955.1567

f 202.828.3750

[bio](#) | [vCard](#)

Hunton & Williams LLP
2200 Pennsylvania Avenue, NW
Washington, DC 20037

hunton.com

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To: Wehrum, Bill[Wehrum.Bill@epa.gov]
From: Holmstead, Jeff
Sent: Tue 2/20/2018 3:35:34 PM
Subject: Re: Tomorrow

Sounds good. If you haven't already made a reservation, I will do so and will assume that 12:00 works for you.

I will look forward to seeing you tomorrow.

Sent from my iPhone

JEFF HOLMSTEAD

Partner

jeff.holmstead@bracewell.com

T: +1.202.828.5852 | F: +1.800.404.3970

BRACEWELL LLP

2001 M Street NW, Suite 900 | Washington, D.C. | 20036-3310

bracewell.com | [profile](#) | [download v-card](#)

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On Feb 20, 2018, at 9:48 AM, Wehrum, Bill <Wehrum.Bill@epa.gov> wrote:

Jeff – I will not be able to switch our lunch tomorrow with John Graham to dinner. I have a prior dinner commitment.

Ex. 6 - Personal Privacy

Ave. work for you?

Ex. 6 - Personal Privacy

Bill Wehrum


Assistant Administrator

Office of Air and Radiation

U.S. Environmental Protection Agency

(202) 564-7404

To: Holmstead, Jeff[jeff.holmstead@bracewell.com]
From: Wehrum, Bill
Sent: Tue 2/20/2018 2:47:41 PM
Subject: Tomorrow

Jeff – I will not be able to switch our lunch tomorrow with John Graham to dinner. I have a prior dinner commitment. Does the
 work for you?

Ex. 6 - Personal Privacy

Bill Wehrum

Assistant Administrator

Office of Air and Radiation

U.S. Environmental Protection Agency

(202) 564-7404

To: Holmstead, Jeff[jeff.holmstead@bracewell.com]
From: Wehrum, Bill
Sent: Tue 2/20/2018 3:44:27 PM
Subject: RE: Tomorrow

Thanks for making the reservation. See you tomorrow.

Bill Wehrum

Assistant Administrator

Office of Air and Radiation

U.S. Environmental Protection Agency

(202) 564-7404

From: Holmstead, Jeff [<mailto:jeff.holmstead@bracewell.com>]
Sent: Tuesday, February 20, 2018 10:36 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Re: Tomorrow

Sounds good. If you haven't already made a reservation, I will do so and will assume that 12:00 works for you.

I will look forward to seeing you tomorrow.

Sent from my iPhone

JEFF HOLMSTEAD
Partner
jeff.holmstead@bracewell.com
T: +1.202.828.5852 | F: +1.800.404.3970

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2001 M Street NW, Suite 900 | Washington, D.C. | 20036-3310
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On Feb 20, 2018, at 9:48 AM, Wehrum, Bill <Wehrum.Bill@epa.gov> wrote:

Jeff – I will not be able to switch our lunch tomorrow with John Graham to dinner. I have a prior dinner commitment. Does the Occidental Grill on Pennsylvania Ave. work for you?

Bill Wehrum

Assistant Administrator

Office of Air and Radiation

U.S. Environmental Protection Agency

(202) 564-7404



Vehicles are now America's biggest CO2 source but EPA is tearing up regulations

Transport overtook power generation for climate-warming emissions in 2017 but the Trump administration is reversing curbs on auto industry pollution

Oliver Milman

Mon 1 Jan '18 00.00 EST

Some of the most common avatars of climate change – hulking power stations and billowing smokestacks – may need a slight update. For the first time in more than 40 years, the largest source of greenhouse gas pollution in the US isn't electricity production but transport – cars, trucks, planes, trains and shipping.

Emissions data has placed transport as the new king of climate-warming pollution at a time when the Trump administration is reviewing or tearing up regulations that would set tougher emissions standards for car and truck companies. Republicans in Congress are also pushing new fuel economy rules they say will lower costs for American drivers but could also weaken emissions standards.

Opponents of the administration fret this agenda will imperil public health and hinder the effort to address climate change.

“This Environmental Protection Agency doesn’t seem to have met an air regulation that it likes,” said Mary Nichols, chair of the California Air Resources Board and a former EPA assistant administrator. “I’ve not seen any evidence that this administration knows anything about the auto industry, they just seem to be against anything the Obama administration did.

“Vehicle emissions are going up, so clearly not enough is being done on that front. The Trump administration is halting further progress at a critical point when we really need to get a grip on this problem.”

The 1970 Clean Air Act, signed by Richard Nixon, set standards for a cocktail of different pollutants emitted from new vehicles. New cars and trucks, which account for more than 80% of transport emissions, now have to meet fuel efficiency standards and display this information to consumers. This approach has helped cleanse previously smog-laden American cities and tamp down greenhouse gas emissions.

But in 2016, about 1.9bn tons of carbon dioxide emissions were emitted from transportation, up nearly 2% on the previous year, according to the Energy Information Administration. This increase means that transport has overtaken power generation as the most polluting sector in the country, and it’s likely to stay that way.

Cheap gasoline prices have led to a recent uptick in vehicle emissions, despite the fuel standards, at the same time that coal is being rapidly displaced by an abundance of cheap natural gas and the steady rise of renewable energy, driving a sharp decline in CO₂ emissions from the power grid.

While coalminers have lost their jobs to technological advancement and environmental protesters have thrown their bodies in the path of oil pipelines, there has been far less to disrupt the basic emissions-emitting models of cars, trucks and planes.

Americans are buying larger cars and taking more flights – domestic aviation emissions grew 10% between 2012 and 2016 – and face little opposition in doing so.

“The change in power generation has been very impressive over the past 10 to 15 years,” said Brett Smith, assistant director of the Center for Automotive Research.

“In the automotive sector, there isn’t the same push. There are certainly Americans concerned about global warming but people are driving bigger and bigger vehicles each year. It’s not a priority for them. The cost of fuel is pretty cheap and at the moment there isn’t a better option out there than the internal combustion engine.”

Transport accounts for about a quarter of all US planet-warming emissions but also poses a direct health threat to about 45 million Americans who live, work or attend school within 300ft of roads that are shrouded in high air pollution levels.

This pollution can stunt lung growth, trigger asthma attacks, exacerbate heart disease and cause developmental problems. The EPA estimates 17,000 schools across the US are located next to roads with heavy traffic, with children from low-income and minority groups disproportionately put at risk. California is the only state in the US to ban the construction of a school on the cheap land found beside major highways.

US cities haven't emulated the likes of London and Stockholm by charging drivers a congestion fee to coax them on to public transport, cycling or walking; nor does the US feature the comparatively high rates of fuel tax seen in Europe. France's move to ban sales of petrol and diesel cars by 2040 would be politically unthinkable in the States.

But the air is much cleaner in American cities than it was in the 1970s, and a world away from the fog that now envelops Beijing and Delhi, in part due to vehicle emissions standards that have progressively been ratcheted up by the EPA.

That trajectory has been cast in doubt by the Trump presidency. In March, the EPA scrapped a deal struck between Barack Obama's administration and automakers that would require new cars to run 54.4 miles per gallon of fuel, up from 27.5 miles per gallon, by 2025.

The White House said the new rules had been "shoved down the throats" of car makers, with the main industry lobby group pointing out that consumers overwhelmingly prioritize safety, driving performance and value for money over fuel efficiency. There are more than 70 car models on sale that achieve 40 miles per gallon and they account for just 1% of total new vehicle sales.

Then, last month, the EPA cited "regulatory overreach" by the previous administration for its decision to waive clean truck standards that would have phased out "glider" vehicles that produce 55 times more diesel soot than new trucks. Scott Pruitt, administrator of the EPA, said his predecessors had "attempted to bend the rule of law and expand the reach of the federal government in a way that threatened to put an entire industry of specialized truck manufacturers out of business".

These rollbacks from the executive branch have dovetailed with an effort by Republicans in the Senate and the House to revamp fuel efficiency rules by replacing state and federal requirements with a single standard. Environmental groups and previous administration officials fear this will lead to a further weakening of emissions standards.

"America's clean car standards have dramatically improved the fuel efficiency of vehicles, saving consumers billions of dollars and cutting pollution in the process," said Carol Browner, a former administrator of the EPA.

"Instead of rolling back commonsense, successful and popular clean cars standards, we should focus on innovation and technology that will continue the auto industry's growth and the pollution reductions we've achieved since these standards were first established."

In the short term, this new approach risks a flashpoint between the federal government and California, which has a long-held waiver to enact vehicle pollution standards in excess of the national requirements. Twelve other states, including New York and Pennsylvania, follow California's standards, an alliance that covers more than 130 million residents and about a third of the US vehicle market.

Nichols said she had been disturbed by signals coming from Pruitt and other EPA officials that she said show the federal government is looking to end California's waiver.

"We are very concerned because these standards are the bedrock of our whole climate change platform," she said. "Scott Pruitt has made threatening noises about the Californian waiver, saying that we are trying to run the country. It feels like this is going to be the next shoe to drop. If

it does, we will litigate and fight for our rights in the political arena with other states and consumer advocates.”

With federal regulation set to be pared back, technological advances in electric and gas-powered cars, as well as consumer preferences, are likely to play an increasingly important role in whether vehicle emissions are forced back down.

A flurry of recent optimistic studies have forecast that, by 2040, as much as 90% of all cars in the US will be electric. But the current conundrum is that petroleum-fueled vehicles are cheaper and seen as more reliable than their electric counterparts by most new buyers. Affordable gasoline is competing with electric recharging stations that are considered too sparse by many drivers to risk running out of puff, no matter the benefit to the environment.

“It’s a challenging position for automotive companies because they are touting electric vehicles but ultimately they have to sell more cars,” said Smith. “Consumers in the US aren’t pushing for electric vehicles to the extent they are in Europe and unless we take a very different approach as a country, that doesn’t look like it will change soon.

“You will need to see a major change in battery technology to make it viable. People are becoming more aware and concerned about global warming, but we aren’t there yet. And when you look at the vehicles being put out by the major car companies, you could argue it’s not an issue for them, either.”

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21st Annual Conference & Expo
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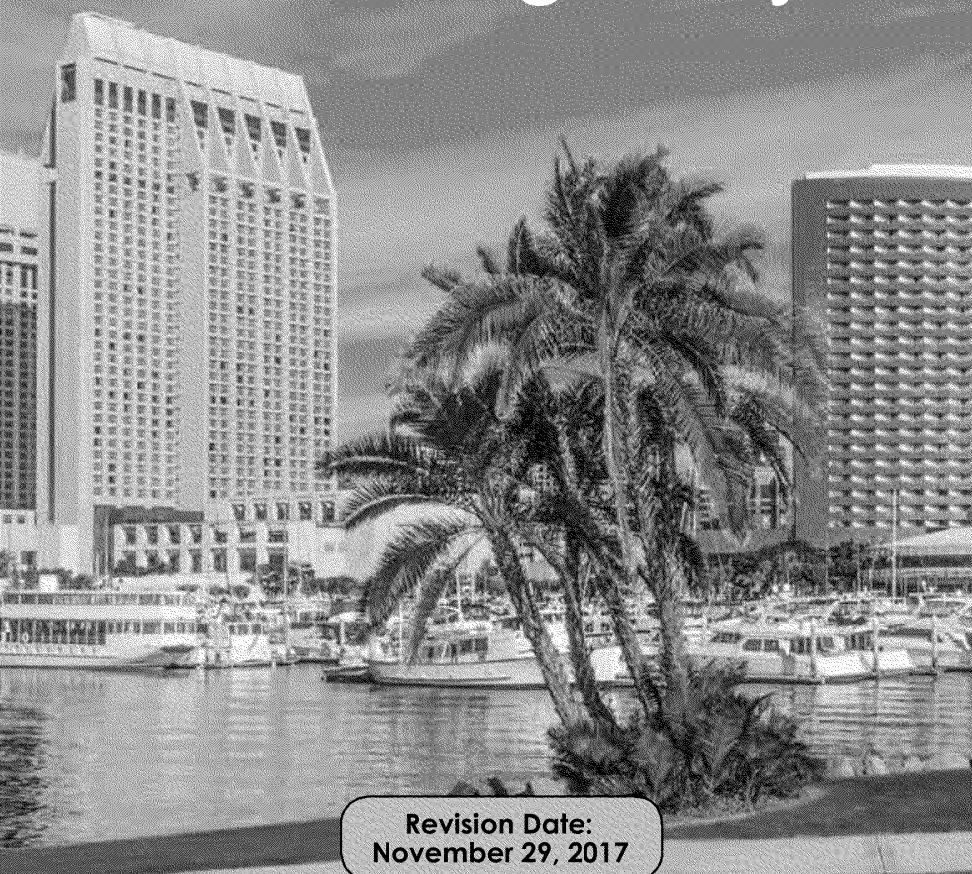
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1,500 ATTENDEES

400 SPEAKERS

150 EXHIBITS

Preliminary Guide



Revision Date:
November 29, 2017

10 TECHNICAL TRACKS

A. REGULATORY UPDATE
B. CEMS & AIR QUALITY
C. MERCURY CONTROL
D. POWER GEN & ENERGY SERVICES
E. SO₂, NO_x & SCR CONTROL

F. RENEWABLE ENERGY
G. O&M, DDD, EHS
H. GHG, ELG, CCR & CCS
I. WATER 316(B)
J. BATTERY & STORAGE

What is EUEC?

EUEC 2018: The 21st Annual Energy, Utility & Environment Conference, is USA's largest professional networking & educational event of its kind, held March 5 to 7, 2018, at the San Diego Convention Center, San Diego, CA. This Program Agenda lists the papers received to-date for EUEC 2018.

CALL FOR PAPERS

EUEC 2018 is now accepting abstracts, to speak and make a 20-minute PowerPoint presentation, in any of the 10 tracks. If you wish to serve on the Advisory Board, Chair or Sponsor a Session, please check the box, or comment in the Submit Abstract form.

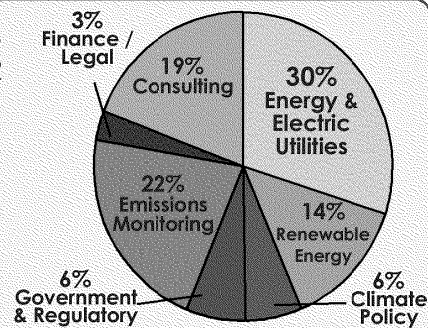
Submit abstracts on-line by December 15th at
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SPEAKER FORMAT

All speakers limited to 20 minutes using PowerPoint
Submit abstract online and select track and session of choice
Each session is 2 hours long with 6 speakers and 2 co-chairs

Who Attended

Year	Delegates
EUEC2016	1,586
EUEC2015	1,736
EUEC2014	1,605
EUEC2013	1,705
EUEC2012	2,037
EUEC2011	1,830
EUEC2010	1,945



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Chairs/Sponsors/Advisory Board are responsible for:

- overall design of program agenda & session topics,
- invite, select and place speakers and design session,
- review abstracts for duplication and QC,
- moderate the session, and ensure speakers are timely.

CONTACT: info@euec.com

MISSION STATEMENT

EUEC facilitates information exchange and cooperation between the utility industry, government, and regulators for the protection of our environment and energy security.

Keynote Panelists:



Administrator (invited):



Joseph Giove III



Caroline Choi



Lance Pierce



Prabhu Dayal

TRACK | A | REGULATORY UPDATE

ROOM 1

TRACK A ADVISORY BOARD



In the 21 year history of EUEC, this track is one of the most popular, with capacity attendance. Presentations are made by leaders and experts on current regulations that impact the electric utility industry. Updates on upcoming regulations, and discussions from regulatory and industry perspectives. Practical examples and case histories provide senior utility executives and decision makers options and strategies for compliance.

Monday | 1PM - 3 PM

A1. REGULATORY UPDATE - AIR

A1.1 ENERGY INDUSTRY REGULATIONS, 2017-2020 (INVITED)
Co-Chair - John Kinsman, Sr. Director - Environment, Edison Electric Institute

A1.2 RECONSIDERING EPA RECONSIDERATIONS
Session Sponsor & Co-Chair - Jay Holloway, Partner, Williams Mullen

A1.3 FURTHER TRIALS AND TRIBULATIONS OF THE GUIDELINE ON AIR QUALITY MODELS
Gale Hoffnagle, Sr. Vice President & Technical Director, TRC Environmental Corporation

A1.4 EPA'S REGULATORY AGENDA UNDER THE TRUMP ADMINISTRATION
David Jordan, Partner, ERM

A1.5 ZERO EMISSIONS CREDITS - ADDRESSING NUCLEAR GENERATION-AT-RISK THROUGH
Kenneth Dubin, Senior Electric Analyst, U.S. Energy Information Administration (EIA)

A1.6 THE CURIOUS CASE OF CAA CIVIL PENALTY INFLATION
Kurt Kissling, Attorney, Pepper Hamilton LLP

Monday | 3:30PM - 5:30PM

A2. ELECTRIC UTILITY CHALLENGES

A2.1 CLEAN AIR ACT INITIATIVES IN THE TRUMP ERA: WHAT TO EXPECT
Alexandra Bromer, Partner, Perkins Coie LLP

A2.2 ENERGY & AIR QUALITY REGULATION UNDER THE TRUMP ADMINISTRATION
Scott Osbourn, Principal, Trinity Consultants

A2.3 AIR REGULATORY CHALLENGES FACING THE NATION'S ELECTRIC COOPERATIVES
Daniel Chartier, Regulatory Director, Environ. Policy, Nat'l Rural Electric Coop. Assoc.

A2.4 POLICY SHIFTS AND MARKET DIRECTIONS
Marc Chupka, Principal, The Brattle Group

A2.5 DEVELOPING A FRAMEWORK ON INTEGRATED ENERGY NETWORK PLANNING
Adam Diamant, Technical Executive, EPRI; Tom Wilson and Daniel Brooks

SUBMIT
ABSTRACT

SPEAKING SLOTS AVAILABLE

TRACK | A | REGULATORY UPDATE

ROOM 1

Tuesday | 7:30AM - 9:30AM

A3. NAAQS, SSM & CAA

A3.1 2015 OZONE NAAQS AREA DESIGNATIONS - WHO'S AT RISK? (INVITED)
Mike Knechtel, Air Permitting Section Leader, Black & Veatch

A3.2 MODELING APPROACHES FOR STARTUP, SHUTDOWN AND MALFUNCTION EVENTS
Robert Paine, Associate Vice President, AECOM; Chris Warren

A3.3 PHOTOCHEMICAL MODELING W/ CAMX FOR OZONE INTER-PRECURSOR TRADING
Qi Zhang, Sr. Air Quality Engineer, Providence Eng. & Env. Group; James Red

A3.4 TAKING THE CAA INTO THE 21ST CENTURY AND BEYOND: A PROPOSAL
Bill Smalling, Attorney, The Law Office of C. William Smalling, PC

A3.5 OZONE AND PM2.5 - SIL'S, MERPS, AND MORE
Richard Hamel, Senior Air Quality Meteorologist, ERM

Tuesday | 10AM - 12PM

A4. NSR

A4.1 NSR 2018 - UPDATE AND RECENT DEVELOPMENTS
Co-Chair - David Jordan, Partner, ERM

A4.2 THE UTILITY NEW SOURCE REVIEW ENFORCEMENT INITIATIVE-ONE LAST UPDATE?
Makram Jaber, Partner, Hunton & Williams LLP

A4.3 DECONSTRUCTING NSR ENFORCEMENT: MINIMIZING PLANT EXPOSURE
Eric Hiser, Partner, Jordan Hiser & Joy, PLC

A4.4 PSD PERMITTING UNDER THE 2017 GUIDELINE ON AIR QUALITY MODELS
J. Stephen Beene, Sr. Consultant, Trinity Consultants; N. Sule & C. Otto Chambers

A4.5 IS NSR REFORM POSSIBLE? SETTLEMENT TRENDS AND YOUR REAL NSR RISK
Liz Williamson, Attorney, Williams Mullen

A4.6 THE FUTURE OF NEW SOURCE REVIEW - OPTIONS AND PROSPECTS FOR REFORM
Joel Beauvais, Partner, Latham & Watkins

Tuesday | 1:00PM - 3:00PM

A5. UTILITY IMPACTS

A5.1 TURNING THE BATTLESHIP: HOW THE TRUMP EPA IS CHARTING A NEW COURSE
Session Sponsor & Co-Chair - Mack McGuffey, Partner, Troutman Sanders LLP

A5.2 MERCURY & AIR TOXICS STANDARDS: REGULATORY & LITIGATION UPDATE (INVITED)
Angela Levin, Partner, Troutman Sanders LLP

A5.3 IS FEDERALISM ALIVE UNDER THE CLEAN AIR ACT (REDUX)? (INVITED)
William Wehrum, Partner, Hunton & Williams

A5.4 CORONADO GENERATING STATION REGIONAL HAZE BART ALTERNATIVE
Bill McClellan, Manager, Air Quality Services, Salt River Project

A5.5 BACK TO BASIC ON COMPLIANCE
Claudette Horn, Sr. Manager, Environmental Services, PNM Resources

SUBMIT
ABSTRACT

SPEAKING SLOTS AVAILABLE

TRACK | A | REGULATORY UPDATE**ROOM 1****Tuesday | 3:30PM - 5:30PM****A6. PERMITS & COMPLIANCE****A6.1 (INVITED)**

Nicholas Martin, Environmental Policy Manager, Xcel Energy; Lauren Quillian

A6.2 THE PIECEMEAL APPROACH TO THE CLIMATE REGULATION PUZZLE

Megan Berge, Partner, Baker Botts LLP

A6.3 STRATEGIC ANALYSIS OF GHG PROGRAMS: MITIGATION AND ADAPTATION

Jesse Frederick, Vice President, WZL, Inc.

A6.4 CHALLENGES WITH PERMITTING FOR INCREASED CAPACITY

Mary Hauner-Davis, Manager, Air/Noise Department, Burns & McDonnell Engineering

A6.5 CHALLENGES OF PERMITTING COMBINED CYCLE COMBUSTION TURBINES

J. Dwain Kincaid, Senior Consultant, Air Quality Services, LLC

Wednesday | 7:30AM - 9:30AM**A7. AIR PROGRAMS & PERMITTING****A7.1 OVERVIEW AND UPDATE OF INTERSTATE TRANSPORT ISSUES (INVITED)**

Riaz Mohammed, Manager, EEI

A7.2 SCE SANTA BARBARA EM. GENERATOR PROJECT - PART 1: SITING & PERMITTING

Michelle Nuttall, Sr. Project Manager, Southern California Edison; Sara Head, Yorke Eng.

A7.3 SCE SANTA BARBARA EMERGENCY GENERATOR PROJECT - PART 2: PROPOSITION 65

Sara Head, Principal Scientist, Yorke Engineering; Michelle Nuttall, Southern Calif. Edison

A7.4 PERMITTING CHALLENGES FOR RICE GENERATION TO SUPPLEMENT RENEWABLE ENERGY SOURCES

Mary Kaplan, Air Quality Meteorologist, AECOM

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****Wednesday | 10AM - 12PM****A8. REGULATORY UPDATES****A8.1 NSR OFFSETS FOR NEW POWER PROJECTS IN SOUTH COAST; COST AND AVAILABILITY**

Bhaskar Chandan, AQ Analysis and Comp. Supervisor, South Coast Air Quality Mgmt

A8.2 GAS TURBINE REGULATORY REGULATIONS AND ENFORCEMENT CASE STUDIES

Ben Sehgal, Senior Staff Engineer, California Air Resources Board

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****TRACK | B | CEMS & AIR QUALITY****ROOM 2****TRACK B ADVISORY BOARD****AECOM****CARB****CDP****WIND ENGINEERING &
AIR QUALITY CONSULTANTS****EPA****ERM****FLSMIDTH
AIRTECH****Gasmeter****SICK****AGMD****ThermoFisher
SCIENTIFIC****TigerOptics****TRC****Trinity
Consultants**

An excellent "must attend" training session for experts and operators at CEMs. This Track includes EPA policy and procedures for accurate monitoring, reporting, and auditing of emissions pursuant to Part 75 of the Acid Rain Program and the Clean Air Interstate Rule. Presentations on how to submit monitoring plans, QA/QC tests, and emissions data using the Emissions Collection and Monitoring Plan System (ECMPS).

Other expert presentations and programs include MATS, egrid, RATA, Appendix D & E, Electronic Monitoring data, QA/QC program for Cylinder gases. AQ and fence line monitoring, and modeling.

Monday | 1PM - 3 PM**B1. CEMS & PEMS****B1.1 TBA**

Gary Cacciatore, Business Development Manager, Cemtek Environmental

B1.2 PEMS DEPLOYMENT IN SAUDI ARABIA

Brian Swanson, President, CMC Solutions; Jessica Palmer

B1.3 LASER DISPERSION SPECTROSCOPY FOR REMOTE SENSING

Mohammed Belal, Business Development Director, MIRICO; Damien Weidmann, Arun Kannath, Johnny Chu

B1.4 PEMS SYSTEM EVOLUTION TO MEET CHANGING POWER PLANT CONDITIONS

Brian Swanson, President, CMC Solutions

B1.5 TBA

John Kelley, Vice President of Business Development, AMP-Cherokee

B1.6 LASER DISPERSION SPECTROSCOPY AND CEM APPLICATIONS

Graham Leggett, Vice President, Product Management, MIRICO Ltd.

Monday | 3:30PM - 5:30PM**B2. CEMS & TESTING****B2.1 SUCCESSFUL TESTING MANAGEMENT FOR CEMS RATA, PERMIT LIMITS, MACT COMPLIANCE, AND EQUIPMENT CONTRACTS**

Brian Petermann, POWER Engineers, Inc.

B2.2 MEETING DEMAND WHILE COMPLYING WITH STARTUP AND SHUTDOWN EMISSIONS

Brian Fowler, Director of Implementation & Marketing, Environmental Systems Corp (ESC)

B2.3 NH3 SLIP BY EXTRACTIVE METHODS

Matt Swanson, Vice President, Sales, CAI, Inc.

B2.4 STRATIFICATION TESTING - WHEN IS IT REQUIRED?

Dan Todd, President, Air Quality Services, LLC; Paul Siegel and Chris Wehner

B2.5 NEXT-GEN CRDS ANALYZERS FOR MONITORING AMMONIA SLIP IN SCR PROCESSES

Jeremiah Riddle, President, Tiger Optics

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE**

TRACK | B | CEMS & AIR QUALITY**ROOM 2****Tuesday | 7:30AM - 9:30AM****B3. DUST EMISSIONS & PM**

B3.2 MONITORING LOW LEVEL DUST EMISSIONS & DETECTION OF ABATEMENT FAILURE
Dave Gager, Regional Manager, Altech Environment USA

B3.3 DUST EMISSION AND EFFECT OF PM10 & PM2.5 IN URBAN INFRASTRUCTURE
Afrim Sylja, Air Quality Specialist, University of Prishtina - Kosovo

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****Tuesday | 10AM - 12PM****B4. PM, CEMS, ESP**

B4.1 COROMAX FOR POWER PLANTS
Mads Kirk Larsen, Global Sales Manager, FLSmidth Airtech

B4.2 THE EFFECT OF 3-PHASE POWER SUPPLY AND SMART CONTROLLER ON ESP
Reza Sharafy, Product Manager, KraftPowercon Sweden AB

B4.3 MORE CASE STUDIES OF THREE PHASE POWER SUPPLIES IMPROVING ESP PERFORMANCE
John Knapik, ESP Solutions Consultant, Babcock and Wilcox

B4.4 TBD
Mark de Garbolewski, Market Specialist, W.L. Gore and Associates

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****Tuesday | 1:00PM - 3:00PM****B5. AIR QUALITY MODELING**

B5.1 CHARACTERIZING PARTICULATE EMISSIONS FROM EVAPORATION POND MISTERS
Mannie Carpenter, Sr. Engineer, Stantec Consulting Svcs; Amber Summer, Kathy Houed

B5.2 BACKGROUND VS. NEARBY SOURCES - TESTING EPA'S NEW GUIDANCE
Co-Chair - George Schewe, Principal Meteorologist, Trinity Consultants; Brian Otten

B5.3 NOX TO NO2 CONVERSION METHODS IN CALPUFF DISPERSION MODE
Tina Liu, Atmospheric Specialist, Advision

B5.4 AIR QUALITY FORECASTING AND MGMT USING MACHINE LEARNING AND IOT
Neil Gerber, Director, New Energy & Environment, IBM

B5.5 SOLUTIONS TO NEW U.S. EPA MODELING REGULATIONS
Christopher Occhipinti, Project Professional, NTH Consultants, Ltd.

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****TRACK | B | CEMS & AIR QUALITY****ROOM 2****Tuesday | 3:30PM - 5:30PM****B6. MEASUREMENT TECHNOLOGIES**

B6.1 IMPROVED MEASUREMENT OF LOW PARTICULATE EMISSIONS FROM RASTORPINES
Kevin Crosby, V.P., Technical, Montrose Air Quality Svcs; Glenn England, Ramboll-Environ

B6.2 SOLVING COMPLIANCE ISSUES USING FTIR MULTIGAS MEASUREMENT TECHNOLOGY
Brian Conliffe, Compliance Specialist, Gasmel Technologies

B6.3 UNDER-REPORTING OF NOX BY AS MUCH AS 80%. WITH REGULATORY APPROVAL
Robert Muldowney, President, MonitorTech Group

B6.4 CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) PROGRAM BEST PRACTICES
Eric Wiley, Managing Consultant, Trinity Consultants

Wednesday | 7:30AM - 9:30AM**B7. ADVANCED TECHNOLOGIES**

B7.1 M&C ANNOUNCES NEW LASER MEASUREMENT TECHNOLOGY
Bernadette Shahin, National Applications Manager, M&C TechGroup North America

B7.2 AGING TR SETS ON ELECTROSTATIC PRECIPITATORS - THE HIDDEN LIABILITY
Paul Leanza, Business Development Manager, KraftPowercon

B7.3 TBA
Bruce Herman, ABB Process Analytics

B7.4 DSI SAVINGS THROUGH REAL TIME SO3/H2SO4 MEASUREMENT
Dan Kietzer, National Product Manager, SICK, Inc.

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****Wednesday | 10AM - 12PM****B8. FENCELINE MONITORING & AQ**

B8.1 THE D-FENCELINE MEASUREMENT SYSTEM - ADVANCED REMOTE SENSING SOLUTION
Glad Shpitzer, CEO, Co-Founder, Atmosf Optics; Dr. Robert Kagann, Dr. Yael Etzioni

B8.2 OPTICAL REMOTE SENSING FOR FENCE-LINE MONITORING USING QCL
Peter Zemek, SVP - Emerging Tech., Montrose Env. Grp; Daniel Cavicchio, Jr., Block Eng.

B8.3 COMMUNITY-BASED AIR TOXICS FENCELINE MONITORING AND INITIATIVES
Steve Walters, Principal Consultant, Trinity Consultants

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE**

TRACK | C | MERCURY CONTROL

ROOM 3

ADVISORY BOARD



This Track provides current presentations on Advanced Mercury Control technologies and strategies, for compliance with MATS emission limits including Hg, DSI, MATS, ACI, & Amended Silicates.

Monday | 1PM - 3 PM

C1. HG MATS COMPLIANCE

C1.1 LOWERING MERCURY COMPLIANCE COSTS THROUGH OPTIMIZATION

Richard MacPherson, President/CEO, ME2C; John Pavlish, Nicholas Lentz, Marcus Sylvester, James Trettell

C1.2 COST SAVINGS ASSOCIATED W/ MATS COMPLIANCE OPERATING AS LOW EMITTING
Brandon Kibler, Project Manager, Novinda Holdings, Inc.; Jeremy Hayes, Black Hills Energy; Clifton Brown and James Butz, Novinda Holdings, Inc.

C1.3 A SORBENT INJECTION TECHNOLOGY UPDATE
Mitch Lund, Product Manager - Air Pollution Control, Nol-Tec Systems

C1.4 HOW THE RIGHT OPTIMIZATION TEAM CAN IMPROVE YOUR MATS COMPLIANCE
Regina Rodriguez, Chief Operating Officer, Carbonxt; Christine Valcarce, Lindsey Costin, David Mazyck

C1.5 OPTIMIZING ACI COST-PERFORMANCE WITH ADVANCED PAC PRODUCTS
Martin O'Brien, Applications Engineer, Calgon Carbon; Richard Mimna, Jenalle Brewer and Michael Pealer

C1.6 EFFECTIVENESS OF MERCURY CONTROL STRATEGIES: A SURVEY OF MATS IMPLEMENT.
Connie Senior, VP of Technology, ADA-ES, Inc.; Sharon Sjoström

Monday | 3:30PM - 5:30PM

C2. ACTIVATED CARBON

C2.1 KINETIC CHEMISTRY MODEL FOR MERCURY REMOVAL BY ACI
Guisu Liu, Founder, Reaction Analytics Solutions Corp.

C2.2 HG BEHAVIOR IN HYBRID FILTER WITH INJECTION AND COATING OF AC IN CPP
Jin-Ho Sung, Researcher, Yonsei University; Yong-Chil SEO, Se-Won Park, Ha-Na Jang & Seung-Ki Back

C2.3 FUTURE OF THE ACTIVATED CARBON INDUSTRY
David Mazyck, Chief Executive Officer, Carbonxt

C2.4 TBD (INVITED)
Michael Pealer, Calgon Carbon

SUBMIT
ABSTRACT

SPEAKING SLOTS AVAILABLE

TRACK | C | MERCURY CONTROL

ROOM 3

Tuesday | 7:30AM - 9:30AM

C3. HG CONTROL TECHNOLOGIES

C3.1 AS-ULTRA PERFORMANCE IN THE MOST CHALLENGING CONFIGURATIONS
Thomas Gale, Director of Technology Development, Novinda Holdings, Inc.

C3.2 CIRCULATING DRY SCRUBBER MERCURY CONTROL PRB COAL-FIRED POWER PLANTS
Terence Ake, Principal Engineer, Babcock Power, Inc.; Roderick Beittel

C3.3 INNOVATIVE SORBENT TRAP MEASUREMENT TECHNIQUES: HG, SO₃, NH₃, HCL, SE
Alexandra Sipershteyn, Product Manager, Ohio Lumex

C3.4 TBD (INVITED)
Calgon Carbon

SUBMIT
ABSTRACT

SPEAKING SLOTS AVAILABLE

Tuesday | 10AM - 12PM

C4. DSI & ACI

C4.1 EXPERIENCE WITH RETROFITTING HYDRATED LIME INJECTION SYSTEMS
Jon Norman, Manager - Sales and Technology, United Conveyor Corporation

C4.2 LANCE-LESS DSI TECH ALLOWS CONT. OPERATION OF EXISTING ESPs
Bob Mastropietro, Technical Sales Engineer, Nol-Tec Systems

C4.3 EFFECTIVE AND SIMPLE MERCURY CONTROL IN PLANTS CONFIGURED WITH WET FGD
Thomas Gale, Director of Technology Development, Novinda Holdings, Inc.

C4.4 USE CHEMISTRY-BASED CFD TO INVESTIGATE DSI OPTIMIZATION OPTIONS
Guisu Lu, Founder, Reaction Analytics Solutions Corp

C4.5 STRATEGIC USE OF TEMPORARY INJECTION SYSTEMS (PAC AND DSI)
Mike Gregory, Business Development - Capital Equipment, IAC

C4.6 SODIUM SORBENTS FOR HIGHER EFFICIENCY
Sponsor & Co-Chair - Michael Atwell, Manager, Solvay Chemicals; Cornelia Cretiu

Tuesday | 1:00PM - 3:00PM

C5. HG CONTROL & OPTIMIZATION

C5.2 DEMONSTRATION-HIGH DSI COMPATIBILITY - COMMERCIALY AVAIL.ACI (INVITED)
John Satterfeld, Sr. Field Service Engineer, Cabot Norit Activated Carbon

C5.3 SUSTAINABLE PROCESS FOR POLYPROPYLENE PRODUCTION: A CFD STUDY
Naser Jamshidi, Crisis Management & Passive Defense Manager, National Petrochemical Co.; Reza Marandi

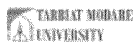
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SPEAKING SLOTS AVAILABLE

TRACK | C | MERCURY CONTROL**ROOM 3****Tuesday | 3:30PM - 5:30PM****C6. YOUNG POWER PROFESSIONAL (2017)****C6.1 GROWING YOUR CAREER: ADVICE FOR THE YOUNG POWER PROFESSIONAL**
Co-Chair - Priscilla Kissinger, Special Projects Manager, Carbonxt**C6.2 INTEGRATING YOUNG PROFESSIONALS & NEW EMPLOYEES: A UTILITY'S PERSPECTIVE**
Tom Durham, Manager of Environmental Field Services, DTE ENergy**C6.3 YOUNG PROFESSIONAL PROGRAMS IN ACTION**
Conner Cox, Strategic Project Mngagr, United Conveyor Corporation**C6.4 A UTILITY SUCCESSFULLY ENSURES NEW HIRES & YOUNG PROFESSIONALS THRIVE**
Philip Imber, Manager Air Section, Environmental Affairs, LG&E**C6.5 COMPANY INTERNSHIPS CREATE SUCCESSFUL NEW HIRES**
Jessica Keller, Environmental Analyst, Xcel Energy**C6.6 MENTORSHIP & PROFESSIONAL GROWTH: HELPING EMPLOYEES STEADILY PROGRESS**
Todd Svoboda, Environmental Compliance, East Kentucky Power Cooperative**C6.7 LEVERAGING INDUSTRY RELATIONSHIPS TO INCREASE CUSTOMER SUCCESS**
Ann Arney, Utility Services, ICS Consulting; Michael Piper**TRACK | D | POWER GEN & ENERGY SERVICES****ROOM 4****ADVISORY BOARD FOR TRACK D**

This Track includes Mitsubishi Power sponsored exhibits & presentations on Advanced Gas Turbine technologies and emission controls for:

- Power plant conversions from coal to natural gas,
- GT Technologies adapting to CNG, LNG and fracturing industry,
- GT Adaptations and strategies for west coast utilities, (CA, AZ, NV, etc)
- Gas Turbines Technologies for Renewable Energy Industry
- Transmission & Distribution; Demand and Rates
- Energy Policy, Security, & Rates

Monday | 1PM - 3 PM**D1. ADVANCED GAS TURBINE TECHNOLOGIES****D1.1 NEW ULTRA-LOW NOX BURNER CAN SAVE MILLIONS ON O&M & CAPITAL COSTS**
(Invited), AMS Product Manager, Mitsubishi Hitachi Power Systems America**D1.2 GAS TURBINES & INDUSTRIAL SCR SYSTEMS (INVITED)**
Co-Chair - Robert McGinty, Sr. Product Manager, Mitsubishi Hitachi Power Systems**D1.3 ELECTRICAL ENERGY MGMT IN HOUSEHOLD REFRIGERATORS AND FREEZERS**
Seyed Mojtaba Sadrameli, Professor, Tarbiat Modares Univ., L. Abdolmaleki, A. Pirvaram**D1.4 7 TRAITS OF HIGHLY EFFECTIVE ENERGY EFFICIENCY PROJECTS**
Ricson Chude, Project Manager, Southern California EdisonSUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****Monday | 3:30PM - 5:30PM****D2. POWER PLANT CONVERSION TECHNOLOGIES****D2.1 THE CARBON CHALLENGE FOR THE POWER INDUSTRY**
Bruce Rising, Executive Advisor, ADI Analytics, LLC**D2.2 THE IMPORTANCE OF POWER PLANT PERFORMANCE TESTS**
William Stark, Vice President, Environmental Services, Leidos; Michael Giampetro**D2.3 IOT WILL NOT DELIVER ITS POTENTIAL - UNLESS IT SOLVES THIS CHALLENGE**
Harry Sim, CEO, Cypress Envirosystems**D2.4 COAL TO GAS CONVERSION ADVANTAGES: CASE STUDY**
Joe Brown, Head of Aftermarket Sales, MHPSSUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE**

TRACK | D | POWER GEN & ENERGY SERVICES**ROOM 4****Tuesday | 7:30AM - 9:30AM****D3. ENERGY AND CYBER SECURITY**

D3.1 WHAT THE WORLD MUST KNOW URGENTLY ABOUT NUCLEAR SECURITY
Phantceena Thate-Hales, CEO, Total Protections USA LLC

D3.2 SAFETY IN THE ELECTRICITY AND PETROLEUM INDUSTRIES
Fred Mayes, Senior Energy Analyst, U.S. Energy Information Administration

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****Tuesday | 10AM - 12PM****D4. DISTRIBUTED GENERATION, T&D**

D4.1 GAS FUEL FLEXIBILITY FOR GAS TURBINE DISTRIBUTED POWER GENERATION
Michael Welch, Industry Marketing Manager, Siemens Industrial Turbomachinery Ltd.

D4.2 FUTURE "ENERGY" UTILITY: DEEP DECARBONIZATION OF ENTIRE ENERGY ECONOMY
Bill Leighty, Founder, The Leighty Foundation

D4.3 WIRELESS POWER TRANSFER SMALL-SCALE PROTOTYPE
Adel El-Shahat, Assistant Professor, Georgia Southern University; Dylan Nelms

D4.4 PREDICTING AND DETECTING GAS TURBINE MALFUNCTIONS
Patrick Bangert, CEO, Algorithmic Technologies, Inc.

D4.5 INNOVATIVE AND INSPIRING GIS TECHNOLOGY FOR PUBLIC WORKS
Matthew McLamb, Chief Technology Officer, Geographic Technologies Group, Inc.

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****Tuesday | 1:00PM - 3:00PM****D5. ENERGY POLICY, DEMAND AND RATES**

D5.1 A TALE OF TWO ISSUES
Stephen Slocomb, Principal, Epsilon Associates

D5.2 ENERGY ECONOMICS AND A SUSTAINABLE ELECTRICITY POLICY
Daniel Mussatti, Senior Energy Economist, US NRC

D5.3 LATEST DEVELOPMENTS IN GRID MODERNIZATION
Co-Chair - John Finnigan, Lead Counsel, Environmental Defense Fund

D5.4 ONE GOAL, MANY PATHS TO RESILIENCY
Carmen Henrikson, Associate Vice President, TRC Energy Services

D5.5 CURRENT TRENDS AND DEVELOPMENTS FOR ELECTRIC UTILITY RATES
Ted Kelly, Principal & Senior Project Manager, Burns & McDonnell

TRACK | D | POWER GEN & ENERGY SERVICES**ROOM 4****Tuesday | 3:30PM - 5:30PM****D6. BUILDING TECHNOLOGIES**

D6.1 ENERGY EFFICIENT ENGINEERING FOR LOW CARBON BUILDINGS
Don Meyer, Project Engineer, Energy Efficiency

D6.2 LOWER GLOBAL WARMING POTENTIAL WITH CO2 HEAT PUMP WATER HEATERS
Cheryn Metzger, Senior Research Engineer, Pacific Northwest National Laboratory

D6.3 ON THE ROAD TO ZNE - CITIES REACHING AHEAD
Farhad Farahmand, Project Manager, TRC Energy Services

D6.4 INCENTIVISING HIGH-PERFORMANCE BUILDING-FINANCING
Teresa Lopez, CEO, Green Energy Money, Inc.

D6.5 SMART PNEUMATICS - MAKING DUMB BUILDINGS SMART
Harry Sim, CEO, Cypress Environments

D6.6 IMPROVING ENERGY STORAGE PERFORMANCE OF CONCRETE CONTAINING FORMS
Seyed Mojtaba Sadrameli, Professor, Tarbiat Modares University; S. Hasanabadi

Wednesday | 7:30AM - 9:30AM**D7. CHP**

D7.1 COMBINED HEAT AND POWER SOLUTIONS FOR DISTRICT HEATING APPLICATIONS
Dalia El Tawy, Director-Thermal Power Solutions, Siemens

D7.2 ENERGY & AIR POLLUTION REDUCTION FROM COGENERATION AT JOHNS HOPKINS
John Kumm, Senior Engineer, EA Engineering, Science and Technology

D7.3 KILLING TWO BIRDS WITH ONE STONE: 'SMART' COUPLING ENERGY-EFFICIENT CH
Anthony Cirillo, Senior Project Director, AECOM - Power Division

D7.4 MEDIUM VOLTAGE AUXILIARY BOILERS AND FUEL GAS DEWPOINT HEATING SYSTEMS
David Taylor, Director of Technical Sales, Chromalox

D7.5 POWER/WATER SOLUTIONS: USING THERMAL ENERGY FROM CHP PLANTS TO
Ben Laurent, Senior Process Engineer, Heartland Water Technology, Inc.

Wednesday | 10AM - 12PM**D8. NATURAL GAS & GRID TECHNOLOGY**

D8.1 HYBRID SOLUTIONS PROVIDING GRID STABILITY AND RENEWABLE INTEGRATION
Dalia El Tawy, Director-Thermal Power Solutions, Siemens

D8.2 WATER-FREE COMBINED CYCLE DISTRIBUTED POWER GENERATION
Michael Welch, Industry Marketing Manager, Siemens Industrial Turbomachinery, Ltd.

D8.3 NATURAL GAS ASSETS TO SUPPORT THE EVOLVING ELECTRIC GRID
Hua Fang, Director, Black & Veatch Management Consulting, LLC

D8.4 SMART CITY-HY WINDBUS AUXERRE FRANCE
Emmanuel Schuddinck, CEO, Justy Energies Engineering

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE**

TRACK | E | SO₂, NO_x & SCR CONTROL

ROOM 5A

ADVISORY BOARD TRACK E



This Track provides current presentations on Advanced technologies and strategies, for compliance with SO₂, NO_x, CO₂ emission limits at coal-fired boilers. Includes SCR, DSI, and measurement and control in the cement and ash industry.

TRACK SPONSOR & CO-CHAIRS: (SUBMIT TO INFO@EUEC.COM)

Monday | 1PM - 3PM



E1. CONTROL TECHNOLOGIES

E1.1 NOX CONTROL, AND A LOT MORE, WITH CATALYTIC CERAMIC FILTERS
Rod Gravley, Technology Director, Tri-Mer Corporation; Kayla Olson, Kevin Moss



E1.2 EVALUATION AND APPLICATION OF AN AIR QUALITY MODELING SYSTEM TO ANALYZ
Roberto San Jose, Head Professor, Technical University of Madrid (UPM); Juan L. Pérez, and Rosa Maria Gonzalez Barras



E1.3 ACID GAS REMOVAL CHARACTERISTICS OF CA(OH)₂ IN A REAL SITE
Han Jae-Won, Han-Yang University; Young-Ok Park, Korea Institute of Energy Research; Hui-Taek Kim, Han-Yang University



E1.4 FULL-SCALE DEMONSTRATION OF ENZYME-ENHANCED COAL COMBUSTION
Wei-Ping Pan, Professor, Western Kentucky University

SUBMIT
ABSTRACT

SPEAKING SLOTS AVAILABLE

Monday | 3:30PM - 5:30PM



E2. DSI, SORBENTS, SCR & NOX CONTROL

E2.1 EXPLORING OXIDATION AND SCR CATALYST ON GAS FIRED UNITS
Emily Kunkel, Senior Environmental Associates, Sargent & Lundy



E2.2 MINIMIZING NOX AND HEAT RATE IN CHINESE COAL FIRED UTILITY BOILERS
Richard Conn, Sr. Director of Technology, Sunco International; Jeff Shan, Sunco International; May Chen, Blue Horizon

SUBMIT
ABSTRACT

SPEAKING SLOTS AVAILABLE

TRACK | E | SO₂, NO_x & SCR CONTROL

ROOM 5A

Tuesday | 7:30AM - 9:30AM

E3. SO₂, NO_x & SNCR

E3.1 SODIUM SORBENTS FOR HIGHER EFFICIENCY

Sponsor & Co-Chair - Michael Atwell, Manager, Solvay Chemicals; Cornelia Cretiu

E3.2 HIGH ACCURACY IN-SITU SO₃, SO₂ & H₂SO₄ SENSOR FOR COMBUSTION SOURCES
Bob Finken, Senior Vice President, Montrose Air Quality Services; Dr. Peter Zemek

SUBMIT
ABSTRACT

SPEAKING SLOTS AVAILABLE

Tuesday | 10AM - 12PM



E4. SCR & NOX CONTROL

E4.1 SOFT SENSORS FOR SO_x AND NO_x EMISSIONS
Patrick Bangert, CEO, algorithmica technologies Inc.



E4.2 PRE AND POST COMBUSTION NOX CONTROL SYSTEM USING MICROWAVE TECH.
Valentino Tiangco, Biomass Program Manager, SMUD



E4.3 FAST RAMP HOT SCR'S & UPGRADES TO COMPLY WITH FUTURE NOX BARCT RULES
Robert McGinty, Sr. Product Mgr Gas Turbine & Ind. SCR Sys, Mitsubishi Hitachi Power Sys



E4.4 COMBINED CYCLE PLANT NOX REDUCTIONS
Jeff Williams, Manager, Emerson; J. Nyenhuis



E4.5 CFD MODELING FOR EVALUATING CONVERSION OF COAL TO GAS FIRED BOILER
Praveen Gonuguntla, Senior CFD Engineer, Tridiagonal Solutions, Inc.; Abhay Panwalkar, Bharat Heavy Electricals Limited



E4.6 SELECTABLE CONTROL SYSTEM FOR SCR MANAGEMENT
Bernadette Shahin, National Applications Manager, M&C TechGroup

Tuesday | 1PM - 3PM



E5. COAL ASH & CEMENT

E5.1 SELECTABLE CONTROL SYSTEM FOR SCR MANAGEMENT
Rabindra Sinha, VP - Sales, Marketing & Technology, ARKAY Technologies



E5.2 CEMENT STABILIZATION OF CONTAMINATED SOIL AND CCR
Paul Ruehl, US Environmental Remediation Coordinator, Lafarge Holcim



E5.3 CONCRETE AND CEMENT SPEC. COAL FLY ASH FROM A WASTE FLY ASH
Christopher Poling, Engineering Director, SCB International Materials

SUBMIT
ABSTRACT

SPEAKING SLOTS AVAILABLE

TRACK | E | SO₂, NO_x & SCR CONTROL**ROOM 5A****Tuesday | 3:30PM - 5:30PM****E6. COMPLIANCE TECHNOLOGIES & STRATEGIES**

E6.1 MERCURY AND PYRITIC SULFUR REDUCTION IN CLEANED ILLINOIS BASIN COALS
Allan Kalker, Research Geologist, U.S. Geological Survey; Liliana Lefficariu, Southern Illinois University; Maria Mastalerz, Indiana Geological Survey; Agnieszka Drobniak, Indiana Geological Survey; Clint Scott, U.S. Geological Survey; Anne Scott, U.S. Geological Survey

**E6.2 BACT EMISSION LIMITS: THE DEVIL IS IN THE DETAILS**

David Shotts, Partner, ERM

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****Thursday | 1PM - 3PM****Thursday | 3:30PM - 5:30PM****TRACK | F | RENEWABLE ENERGY****ROOM 5B****ADVISORY BOARD TRACK F**

This Track provides current presentations on Renewable Energy technologies and strategies, including, solar, PV, wind, Nuclear, waste-to-energy, biogas, biomass, biodiesel, financing, and development case studies for peak shaving and FIT programs.

TRACK SPONSORS & CO-CHAIRS: (SUBMIT TO INFO@EUEC.COM)**Monday | 1PM - 3PM****F1. BIOGAS, BIOMASS, BIODIESEL****F1.1 ANAEROBIC MBBR PROCESS FOR HIGH-STRENGTH WASTEWATERS**

Siva Angappan, Headworks Bio, Inc.; Dr. Somnath Basu

**BLACK & VEATCH****F1.2 TORREFIED BIOMASS SUCCESS AT THE PGE BOARDMAN PLANT**

Una Nowling, Service Area Leader, Black & Veatch; Randy Curtis, Portland General Electric Boardman Power Plant

**CATAWBA****F1.3 INDUSTRIAL SYMBIOSIS THROUGH EFFECTIVE PUBLIC-PRIVATE PARTNERSHIPS**

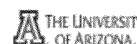
Bary Edwards, Director of Utilities & Engineering, Catawba County

**FUELCCELL ENERGY****F1.4 DIRECTED BIOGAS SUCCESS AT THE UC SAN DIEGO MICROGRID FUEL CELL**

Clark Crawford, Director, Business Development, FuelCell Energy; Robert Nielsen

**AECOM****F1.5 POWER PRODUCTION FOR FUTURE SOLID WASTE RESOURCE RECOVERY FACILITY**

Matt Dunn, Principal Engineer, AECOM

**THE UNIVERSITY OF ARIZONA****F1.6 COMPUTATIONAL FLUID DYNAMICS SIMULATIONS OF ALGAE PHOTOBIOREACTORS**

Andres Philip Mayol, USAID STRIDE Visiting Scholar, The University of Arizona; Aristotle T. Ubando, Alvin B. Culaba and Joel L. Cuello

Monday | 3:30PM - 5:30PM**F2. WASTE TO ENERGY & WASTE MANAGEMENT****ALTER NRG****F2.1 PLASMA GASIFICATION; THE NEXT GENERATION OF WASTE-TO-ENERGY SERVICES**

Richard Fish, President, ALTER NRG CORP.

**SIERRA ENERGY****F2.2 FASTOX GASIFICATION: PROFITABLY ACHIEVE 100% RECYCLING**

Mike G. Hart, Chief Executive Officer, Sierra Energy

**ADVISION****F2.3 EMISSIONS AND WASTE-TO-ENERGY SYSTEMS**

Tina Liu, Atmospheric Specialist, Advision

**YONSEI UNIVERSITY****F2.4 ELECTRICITY PRODUCTION FROM SRF USING A DOWNDRAFT GASIFICATION PROCESS**

Se-Won Park, Researcher, Yonsei University; Lee, Sung, Seo, Yonsei University; Oh, Samho, environ-Tech; Gu, Institute for Advanced Engineering

**NAMASTE SOLAR****F2.5 RECLAIMING CONTAMINATED LAND: DEPLOYING SOLAR ON BROWNFIELDS**

Cynthia Christensen, Commercial/Utility Sales Director, Namaste Solar

**IWRC****F2.6 WASTED ENERGY FROM COMPRESSED AIR LEAKS: WHAT ONE PILOT PROJECT FOUND**

Dan Nickey, Interim Director, Iowa Waste Reduction Center, University of Northern Iowa

**FIU****F2.7 ENERGY FROM MUNICIPAL SOLID WASTE WITH MINIMAL CARBON EMISSION**

Surendra Saxena, Professor Emeritus, FIU; Siva Pillai, Innovision

TRACK | F | RENEWABLE ENERGY**ROOM 5B****Tuesday | 7:30AM - 9:30AM****F3. RENEWABLE ENERGY & MICROGRID****F3.1 MICROGRIDS AN EFFECTIVE INFRASTRUCTURE ALTERNATIVE**

Gregg Edeson, Partner, PA Consulting Group; Jared Smith and Walter Rojowsky

**F3.2 INTEGRATION OF A MICROGRID CONTROLLER & FAULT PROTECTION WITHIN AMEREN**

Christopher Evanich, Applications Director of Microgrids, S&C Electric

**F3.3 PLANNING FOR THE FUTURE: NATION'S FIRST CYBER-SECURE UTILITY MICROGRID**

Christopher Evanich, Applications Director of Microgrids, S&C Electric

**F3.4 STANFORD'S ENERGY SYSTEM LEADING BY EXAMPLE IN EMISSIONS REDUCTION**

Fahmida Ahmed, Director, Sustainability and Business Services, Stanford University

F3.5 NATURAL DISASTERS: A CALL TO ACCELERATE RESILIENCE

Edward Rightor

Tuesday | 10AM - 12PM**F4. RENEWABLE PROJECTS & DEVELOPMENT****F4.1 REDEVELOPMENT OF ELECTRIC UTILITY SITES - INTEGRATING RENEWABLE ENERGY**

Steven Putrich, Principal Engineer, Haley & Aldrich

**F4.2 BIGGER MARKET THAN GRID: RE-SOURCE HYDROGEN TRANSPORTATION FUEL**

Bill Leighty, Director, The Leighty Foundation

**F4.3 EVALUATION OF THE ENVIRONMENTAL IMPACT OF THE THERMAL SPACES**

Nasser Alhemiddi, Professor, King Saud Univ.; Abdulrahman Alhemiddi, Abdulaziz Alhemiddi

**F4.4 BIRD IN THE HAND: SHOTGUNS, DEADLY OIL PITS, CUTE KITTENS & THE MBTA**

Samuel Panarella, Associate Professor of Law, University of Montana School of Law

**F4.5 RENEWABLE ENERGY PROD. AS MEANS FOR LOCAL ECONOMIC DEVELOPMENT**

Thobeka Radebe, Researcher, Human Science Research Council

Tuesday | 1PM - 3PM**F5. WIND ENERGY****F5.1 CONVERTING WINDPLANTS TO DEDICATED, OFF-GRID HYDROGEN FUEL PRODUCT**

Bill Leighty, Director, The Leighty Foundation

**F5.2 CONTROL OF A SELF-EXCITED INDUCTION GENERATOR IN A WIND TURBINE SYSTEM**

Woonki Na, Assistant Professor, California State University, Fresno; Edurad Muljadi

**F5.3 OFFSHORE WIND ENERGY VS CONVENTIONAL IMPLEMENTATIONS**

Adel El-Shahat, Assistant Professor, Georgia Southern University; DeAndrea Dixon

**F5.4 WIND ENERGY MARKET TRENDS AND CHALLENGES**

Nathan Higgerson, Power Generation Project Manager, Hanson Professional Services, Inc.

**SPEAKING SLOTS AVAILABLE****TRACK | F | RENEWABLE ENERGY****ROOM 5B****Tuesday | 3:30PM - 5:50PM****F6. SOLAR & PV****F6.1 IMPACT OF GRID-SIDE PHOTOVOLTAIC TECHNOLOGY ON GRID STABILITY**

Naim Darghouth, Sr. Scientific/Engineering Assoc., Lawrence Berkely Nat'l Lab.; Galen

F6.2 DEMAND CHARGE SAVINGS FROM SOLAR AND ASSOCIATED UTILITY COST SAVINGS

Barbose, Andrew Mills, and Ryan Wiser; Pieter Gagnon and Lori Bird, NREL

F6.3 IMPACT OF DEGRADATION RATES ON SOLAR PV PROJECT FINANCIALS

Matthias Gewalt, Manager of Solar Practice, Leidos Engineering

F6.4 A RESOURCE EVALUATION MODEL FOR A SOLAR VORTEX POWER GENERATION SYSTEM

Amy Moore, Post Doctoral Research Assistant, Oak Ridge National Laboratory

**SPEAKING SLOTS AVAILABLE****Wednesday | 7:30AM - 9:30AM****F7. HYDRO, GEOTHERMAL, & NUCLEAR****F7.1 WHAT 1,000 GEOTHERMAL HEAT PUMPS WILL DO TO YOUR UTILITY**

Will Lange, Director of Sales and Utility Marketing, WaterFurnace Renewable Energy

F7.2 A MICRO-SCALE HYDRO POWER SYSTEM FOR THE PHILIPPINE INDIGENOUS PEOPLES

Randell Espina, Dean, Ateneo de Davao Univ; Renyl Barroca, Angelito Salvague, Leah Aportadera, Lourdesita Chan

F7.3 BEYOND BASELOAD: NUSCALE DIVERSE ENERGY PLATFORM

Lenka Kollar, Director, Strategy & External Relations, NuScale Power; Chris Colbert

**SPEAKING SLOTS AVAILABLE****Wednesday | 10AM - 12PM****F8. RENEWABLE ENERGY****F8.1 SAN DIEGO STATE UNIVERSITY DEMONSTRATION & PROOF-OF-CONCEPT CENTER**

John McMillan, Co-Director SD-REIN, San Diego State University

F8.2 FEDERAL FACILITIES: DEVELOPING & FINANCING ENERGY RESILIENCE

Seth Kirshenberd, Partner, Kutak Rock LLP

F8.3 HOW CORPORATE PPAS ARE DRIVING RENEWABLES GROWTH

Scott Nystrom, Director, FTI Consulting; Ken Ditzel

F8.4 PARAMETRIC ANALYSIS FOR COST-OPTIMAL RENEWABLE ENERGY INTEGRATION

Jin Jo, Associate Professor, Illinois State University

F8.5 PV DEGRADATION MITIGATION - A COMMERCIAL PERSPECTIVE

Matthias Gewalt, Manager of Solar Practice, Leidos Engineering

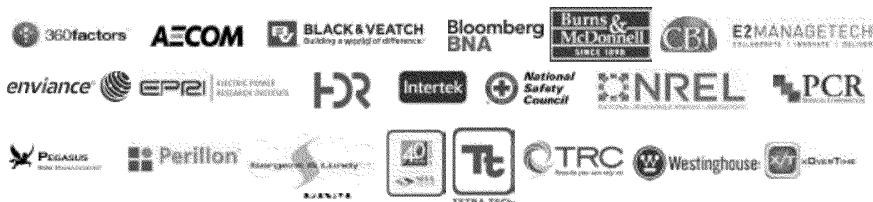
F8.6 SOLAR TECHNOLOGY EVOLUTION

Matthias Gewalt, Manager of Solar Practice, Leidos Engineering

TRACK | G | O&M, DDD, EHS

ROOM 7B

ADVISORY BOARD TRACK G



This Track provides current presentations on current technologies and strategies, for decommissioning of power plants, boiler optimization, project finance, risk management, EMIS, EHS, Health & Safety, operation and maintenance in the electric utility industry.

TRACK SPONSOR & CO-CHAIRS: (SUBMIT TO INFO@EUEC.COM)

Monday | 1PM - 3PM

G1. DECOMMISSIONING OF POWER PLANTS

G1.1 IN-PLACE RETIREMENT OF POWER PLANTS - KEY CONSIDERATIONS AND APPROACH
Co-chair - Jeffery Pope, Decommissioning & Demolition Services Mgr., Burns & McDonnell

G1.2 CLOSURE OF THE D-AREA CCR FACILITIES AT THE SAVANNAH RIVER SITE
Tammy DeRamo, Technical Director, Envirocon; Andrew White and Tripp Winfree

G1.3 SOLVING PCB IMPEDIMENTS TO DECOMMISSIONING
Stephen Mitchell, Senior Vice President, Weston Solutions, Inc.; J.D Groesbeck

G1.4 CHANGES TO PROJECT OBJECTIVES REQUIRES CHANGES TO PROJECT SCOPE
Co-chair - Richard Cheatham, Scientist 5, CB&I; Gene Scott, Ken Beard & Andrew Schaaf

SUBMIT
ABSTRACT

SPEAKING SLOTS AVAILABLE

Monday | 3:30PM - 5:30PM



G2. COMPLIANCE STRATEGIES & DECOMMISSIONING

G2.1 KCOM'S RIVERTON, KS EMPIRE DISTRICT ELECTRIC POWER PLANT IMPIOSION.
Joel Spirtas, KCOM Demolition, Commercial / Industrial Demolition and Env. Remediation

SUBMIT
ABSTRACT

SPEAKING SLOTS AVAILABLE

TRACK | G | O&M, DDD, EHS

ROOM 7B

Tuesday | 7:30AM - 9:30AM

G3. OPERATIONS AND OPTIMIZATION

G3.1 MITIGATING CLIMATE EFFECTS ON PERFORMANCE OF CCGT-CO2 CAPTURE PLANTS
Hugo Rodriguez, Project Manager, Rengen Energy Solutions

G3.2 MORE EFFICIENT POWER GENERATION THROUGH ENVIRONMENTAL RESPONSIBLE CI
David Watson, Director, Business Development - Energy and Services, Cold Jet, LLC

G3.3 SF6 EMISSIONS FROM GAS INSULATED SWITCHGEAR (GIS)
Yasmeen Sultana, Principal, Stantec; Jonya Blahut

SUBMIT
ABSTRACT

SPEAKING SLOTS AVAILABLE

Tuesday | 10AM - 12PM

G4. EHS & EMIS

G4.1 EXECUTION MEASUREMENTS TO INCREASE SAFETY PERFORMANCE
Carrie Young, Managing Director, Sphera Solutions

G4.2 BETTER MANAGEMENT OF THE COVERSACTIONS ABOUT YOUR DATA
David Gloski, President, xOverTime; Michael Lehane

G4.3 CONTINUOUS COMPLIANCE MANAGEMENT FOR UTILITY OPERATIONS
Adam Jackson, Managing Consultant, Trinity Consultants; Colt Sommers, Randall Nelson

G4.4 SPREADING AN EHS CULTURE USING SIMPLIFIED SOFTWARE AND DATA ANALYTICS
John Niemoller, President, Perillon Software

SUBMIT
ABSTRACT

SPEAKING SLOTS AVAILABLE

Tuesday | 1PM - 3PM

G5. PROJECT FINANCE, RISK MGMT

G5.1 INVESTMNT STRATEGIES FOR ENV. MKTS UNDER CURRENT STATE OF NEW REGS
Nedia Miller, Principal, MILLER CTA

G5.2 SAUDI ARAMCO UPSTREAM ENVIRONMENTAL FOCUS - PAST, PRESENT, AND FUTURE
Ensan El-Ayoubi, Southern Area Oil Operations Technical Support Department, Saudi Aramco

G5.3 HEALTH RISK: KEEPING YOUR POWER PROJECT AFLOAT DURING THE EARLY STAGE
Joseph Sabao, Senior Scientist, Epsilon Associates

G5.4 MANAGING CONTRATOR CHANGE WITH UPFRONT AND AGREED UPON RATES
Brendan O'Brien, Project Engineer, Burns and McDonnell; Jeff Pope

SUBMIT
ABSTRACT

SPEAKING SLOTS AVAILABLE

TRACK | G | O&M, DDD, EHS**ROOM 7B****Tuesday | 3:30PM - 5:30PM****G6. OPERATIONS & OPTIMIZATION**

G6.1 HIGH-FREQUENCY DATA COLLECTION AND ENVIRONMENTAL ACCOUNTING
Carrie Young, Vice President, Sphera Solutions



G6.2 A THREE YEAR INTERNATIONAL ENERGY CHALLENGE
Steven Driver, Global Energy Manager, Sanofi



G6.3 OPERATIONAL EFFICIENCY GAINS THROUGH GEOSPATIAL TECHNOLOGY ADVANCES
Randy Rhoads, Geospatial Industry Manager, Utilities, Harris Corporation



G6.4 BEST PRACTICES TO REDUCE VENTING AND FLARING WITH ECONOMIC BENEFIT
Jeff Voorhis, Engineer, HY-BON Engineering



G6.5 OPTIMIZATION OF PLANT PERFORMANCE USING MACHINE LEARNING
Patrick Bangert, CEO, algorithmica technologies Inc.



G6.6 WIND EFFECTS ON AIR-COOLED CONDENSERS: WIND-TUNNEL 2-D FLOW FIELDS
Ryan Parker, Project Engineer, CPP Wind Engineering

Wednesday | 7:30AM - 9:50AM**G7. HEALTH & SAFETY**

G7.1 FIT-FOR-DUTY TESTING IN THE ENERGY INDUSTRY
Richard Bunch, CEO, WorkSaver Systems



G7.2 LAYERING DO'S AND DON'TS FOR ARC FLASH PROTECTION
Derek Sang, Technical Training Manager, Bulwark Protective Apparel



G7.3 SAFE AND EFFICIENT COMBUSTION CONTROL IN GAS-FIRED BOILERS / TURBINES
Barbara Marshik, Power Market Segment Mgr, Servomex; Stephen Firth, Josh Christian

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****Wednesday | 10AM - 12PM****G8. OPERATIONS & MANAGEMENT**

G8.1 FAILURE POTENTIAL OF RETROFITTED VFD IN COOLING TOWER
Sarah AlKanderi, Research Assistant, Kuwait Institute for Scientific Research, Al-Bassam



G8.2 PERMIAN BASIN ENVIRONMENTAL SUCCESS STORY: REVENUE SHARING WITH VENT G
Jeff Voorhis, Engineer, HY-BON Engineering



G8.3 DISRUPTION IN THE UNDERGROUND
Sean Gesell, Manufacturer's Rep, Armorcast Products Company



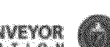
G8.4 INTEGRATING DEMAND RESPONSE INTO SYSTEM RELIABILITY PLANNING
Paul Grad, President, Rodan Energy Solutions



G8.5 CONNECTICUT UTILITIES TURNKEY SOLUTION TO BENCHMARKING 95% OF THE STATE
Sheri Borrelli, Senior Business Manager, United Illuminating; Samantha Sojka, Eversource Energy



G8.6 CREATING AN OPERATING CULTURE FOR PREDICTABLE, CONSISTENT PERFORMANCE
Peter Bridle, Managing Partner, Pegasus Risk Management

TRACK | H | GHG, ELG, CCR & CCS**ROOM 8****ADVISORY BOARD TRACK H**

This Track provides current presentations on current technologies and strategies concerning CCS, CCR, ELG and coal ash in the electric utility industry.

TRACK SPONSOR & CO-CHAIRS: (SUBMIT TO INFO@EUEC.COM)

Monday | 1PM - 3PM**H1. CCR & ELG COMPLIANCE MGMT.**

H1.1 NOVEL APPROACHES TO ELG COMPLIANCE
Tyler Cromey, Research Engineer, Southern Company Services



H1.2 DESIGNING A PERFORMANCE TEST PROGRAM FOR A CARBON CAPTURE PROCESS
Rick Krenzke, Project Director, TRC



H1.3 STATES VS FEDS: WHO HAS THE BALL ON WATER AND ASH COMPLIANCE?
Jason Eichenberger, Assoc. Civil Engineer, Burns and McDonnell



H1.4 USE OF SLURRY WALL SYSTEMS TO SUPPORT CCR CLOSURE & CORRECTIVE ACTION
Dale Evans, Senior Director of Technology, Remedial Construction Services; Kate Whysner



H1.5 MASS DISCHARGE METRICS TO SUPPORT REMEDY SELECTION AT COAL ASH SITES
Stephanie Jones, Environmental Engineer, Geosyntec Consultants

Monday | 3:30PM - 5:30PM**H2. COAL ASH, CCR & FGD**

H2.1 GEOCHEMICAL ANALYSIS OF COAL ASH CONSTITUENTS IN DRINKING WATER
Paula Panzino, Technical Expert, Haley & Aldrich, Inc.; Jacob Chu, Lisc Bradley



H2.2 RULES SHIFT AMERICA'S RESOURCE ABUNDANCE TO SHORTFALL
Danny Gray, Executive Vice President, Charah, LLC



H2.3 HOW DENSE SLURRY TECHNOLOGY CAN HELP ACHIEVE ZERO LIQUID DISCHARGE
Dale Timmons, Program Manager, NAES Corporation



H2.4 REQUALIFYING FLY ASH FOR BENEFICIAL USE/SALE USING AMENDED SILICATES
Steve Baloga, P.E., VP Engineering and Environmental Services, Novinda Holdings, Inc.



H2.5 SELENIUM: HOW SULFUR'S LITTLE BROTHER COULD AFFECT WASTEWATER TREATMENT
Nick Nelson, Vice President, Barr Engineering



H2.6 RECLAIMING AND RECYCLING COAL COMBUSTION RESIDUALS FOR BENEFICIAL USE
Bill Fedorka, Executive Director, Advanced Technology and Projects, SEFA

TRACK | H | GHG, ELG, CCR & CCS**ROOM 8****Tuesday | 7:30AM - 9:30AM****H3. CCR RULE****H3.1 GROUNDWATER MONITORING AT CCR FACILITIES: NEXT STEPS**

Tammy Rauen, Senior Engineer, Golder Associates; Craig Schuettpeitz, Todd Stong

H3.2 CCR DATA MANAGEMENT: TOOLS TO AUTOMATE DATA COLLECTION & ANALYSIS

Christine Lew, Manager, Environ. Software/Data Mgmt Svcs, Tetra Tech, Michael Ungs

H3.3 CCR RULE LOCATION RESTRICTION FUNDAMENTALS & STRATEGIES

Eric Nelson, Vice President, Senior Project Manager, SCS Engineers

H3.4 SITING & DESIGN OF NEW UWLS AND GWM SYSTEMS PURSUANT TO THE CCR RULE

Gary Pendergrass, Principal Geological Engineer & Environmental Group Leader, GeoEngineers, Inc.

H3.5 HONEY I SHRUNK THE POND: CONSIDERATIONS FOR TANK BASED LOW VOLUME WWT

Dave Guinta, Chemical Engineer, Burns & McDonnell; Jared Troyer, Duke Energy

Tuesday | 10AM - 12PM**H4. CCR & ELG****H4.1 TURNING THE CORNER - CCR MANAGEMENT AFTER OCTOBER 17 (INVITED)**

Mark Rokoff, Vice President, AECOM

H4.2 EVALUATION OF CCR GROUNDWATER MANAGEMENT STRATEGIES

John Hesemann, Regional Environmental Practice Mgr, Burns & McDonnell; Wayne Weber

H4.3 LESSONS LEARNED FROM ELG COMPLIANCE PROJECTS

Kevin McDonough, Vice President of Sales and Marketing, United Conveyor Corporation

H4.4 ENGINEERED IMPOUNDMENTS TO MANAGE CCRs AND LOW VOLUME WASTEWATER

Ryan Shedivy, Project Geological Engineer, Golder Associates, Craig Schuettpeitz, Todd Stong, Golder Associates; Jennifer Charles, Great River Energy

H4.5 OPERATE LIKE THERE IS NO TOMORROW WITH CCR UNIT CLOSURES IN MIND

Jason Pokorny, Senior Project Manager, Haley & Aldrich

Tuesday | 1PM - 3PM**H5. COAL ASH, CCR & FGD****H5.1 PURSUING 100% CCP BENEFICIAL USE... AND BEYOND**

Neal Kochis, Senior Project Manager, Haley & Aldrich

H5.2 CCR LANDFILL CHALLENGES FROM SITING THROUGH CONSTRUCTION

Gabe Lang, Associate Vice President, Charah, LLC

H5.3 MICROWAVE-ASSISTED RECOVERY OF REES FROM COAL AND COMBUSTION PRODUCTS

Megan Macala, Research Scientist, AECOM; Elliot Roth, AECOM; Tracy Bank, AECOM; Phillip Tinker, AECOM; Bret Howard, U.S. Dept. of Energy NETL; Evan Granite, U.S. Dept. of Energy NETL

H5.4 PROTECTING THE "CLOSED LOOP" IN WET BOTTOM ASH SYSTEMS

Paul Pigeon, Associate, Golder Associates

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****TRACK | H | GHG, ELG, CCR & CCS****ROOM 8****Tuesday | 3:30PM - 5:50PM****H6. FGD, ELG, CCR & CCS**

Brendan McCann, Manager, Waste Air Pollution Control Technology, Golder Associates

H6.2 FGD AND WASTE VOLUME REDUCTION - CASE STUDY ON THERMAL EVAPORATION

Clark Harrison, Director, Power Generation Business Development, Purestream Services

H6.3 BOTTOM ASH OPTIONS FOR ELG AND CCR COMPLIANCE

Gerald Long, Manager, North America, United Conveyor Corporation

H6.4 RESPONSIBLE MANAGEMENT OF FGD BYPRODUCTS

Keith Ambrose, Chemical Engineer, Duke Energy

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****Wednesday | 7:30AM - 9:30AM****H7. CCS: CARBON CAPTURE & STORAGE****H7.1 STATUS OF TECH DEVELOPMENT AT THE NATIONAL CARBON CAPTURE CTR (INVITED)**

Roxann Laird, Director - National Carbon Capture Center, Southern Co.; Frank Morton

H7.2 FTIR MONITORING SYSTEM PROVIDES TIGHTER CONTROL ON EMISSIONS FROM C

Co-Chair - Jim Cornish, Sales & Support Manager, Gasmet Technologies

H7.3 POLICY PARITY FOR CARBON CAPTURE

Heather Greenley, Program Coordinator, USEA

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****Wednesday | 10AM - 12PM****H8. LANDFILL GAS & RARE EARTH ELEMENTS****H8.1 RECOVERY OF RARE EARTH METALS FROM COAL COMBUSTION RESIDUALS**

Joseph Laurino, President, Periodic Products, Inc.; Zachary Huba

H8.2 RARE EARTH ELEMENTS IN COAL AND COAL COMBUSTION PRODUCTS

Elliot Roth, Research Engineer, NETL/AECOM; Megan Macala, AECOM/NETL; Ronghong Lin, ORISE; Tracy Bank, AECOM/NETL; Bret Howard, NETL; Evan Granite, NETL; Yee Soong, NETL

H8.3 A METHOD FOR PREDICTING CCR LANDFILL LEACHATE GENERATION VOLUME

Cedric Ruhl, Senior Engineer, Wood Group PLC.

H8.4 DETERMINATION OF RARE EARTHS IN COAL COMBUSTION BY-PRODUCTS

Evan Granite, Research Chemical Engineer, USDOE / NETL; Elliot Roth -NETL, Tracy Bank - NETL, Mary Anne Alvin - NETL, Ken Ladwig - EPRI

H8.5 INNOVATIVE METHODOLOGIES FOR ASSESSMENT, IDENTIFICATION & MITIGATION

Hari Gupta, Director, Coriolis Enterprises

TRACK | I | WATER & 316(b)

ROOM 9

ADVISORY BOARD TRACK I



This Track provides current presentations on current technologies and strategies, concerning water and wastewater management, including 316 (b), cooling towers, FGD, ZLD, coal ash, and remediation in the electric utility industry.

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Monday | 1PM - 3PM

11. WASTEWATER MANAGEMENT

- 11.1 PARTNERING WITH BIG INDUSTRY TO REDUCE NUTRIENT POLLUTION**
Sarah Gilstrap, Senior Environmental Scientist, Burns & McDonnell Engineering Company
- 11.2 CCR WATER SAMPLING AND ANALYSIS DATA QUALITY ISSUES**
David Thal, Principal Chemist, Environmental Standards, Inc.; Vitale, Gable, Dicken, Martin
- 11.3 A PROMISING ASH POND WATER TREATMENT METHOD UTILIZING FLYASH**
Jeong-Yun Won, Senior Geotechnical Engineer, Barr Engineering Company
- 11.4 EFFECTIVE CLARIFICATION TO MEET TIGHT TRACE METAL LIMITS**
Dennis Fink, Water for Power Lead, CH2M; Thomas E. Higgins and Mary McCloud
- 11.5 THERMAL EVAPORATIVE WASTEWATER TREATMENT: SCALE CONTROL & MGMT**
Todd Whiting, Sr. VP Power Generation Operations, Purestream Services

Monday | 3:30PM - 5:30PM

12. GROUND WATER, REMEDIATION & 316(b)

- 12.1 A PARADIGM SHIFT IN WATER TREATMENT**
Aaron Morrison, President & CEO, Chaoticwaters, Inc.
- 12.2 APPLICATION OF DEMULSIFICATION METHOD FOR TREATMENT OF OILY WATER**
Karim Ghasemipour, Group Manager of Water and Wastewater Treatment Research, Research Institute of Petroleum Industry; Sadegh Shokouhi, Kimia Saba Sahand Shahraz
- 12.3 ALTERNATE SOURCE DEMONSTRATION USING MULTIVARIATE STATISTICS**
Nataasha Hausmann, Senior Scientist, ERM; Brian Bjorklund
- 12.4 CAPACITIVE DEIONIZATION OF A METAL-CONTAMINATED UNDERGROUND WATER**
H. Paul Wang, Professor, National Cheng Kung University, Chong, Nat'l Cheng Kung Univ; J. Wang, Univ. of Cal, San Diego; Wei, Tunghai University, Lin, National Tsing-Hua University

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ABSTRACT

SPEAKING SLOTS AVAILABLE

TRACK | I | WATER & 316(b)

ROOM 9

Tuesday | 7:30AM - 9:30AM

13. 316(b)

- 13.1 INTER-YEAR VARIABILITY IN IMPINGEMENT AND ENTRAINMENT RATES**
Greg Seeger, Chief Ichthyologist, EA Eng.; J. Rager & J. Vondruska, EA; D. Dixon, EPRI
- 13.2 PEER REVIEWER IDENTIFICATION, SELECTION AND MANAGEMENT**
Christopher Wiggins, Sr. Aquatic Scientist, Burns & McDonnell
- 13.3 USE OF CFD TO OPTIMIZE A FISH RETURN DISCHARGE LOCATION**
Nathaniel Oken, Principal Engineer, Alden Research Laboratory
- 13.4 A CONSORTIUM APPROACH TO 316(B) FOR FACILITIES ON THE MISSISSIPPI RIVER**
Kurtis Schlicht, Technical Director, Environmental Resources Management
- 13.5 GREEN ALTERNATIVES FOR WATER SUPPLY DEVELOPMENT**
Henry Hunt, Sr. Project Manager, Layne-Ranney
- 13.6 CASE STUDY OF RETROFITTING THE DAIRYLAND MADGETT PLANT INTAKE**
Brett DeRousse, National Account Manager, Hydrolox; Mike McCullick; Dairyland Power

Tuesday | 10AM - 12PM

14. FGD WASTEWATER & ZLD

- 14.1 INNOVATIVE FGD WASTEWATER TREATMENT AND ZLD OPTIONS**
Malcolm Man, Executive Vice President, Saltworks Technologies, Inc.; Ben Sparrow
- 14.2 ADVANTAGES OF ZLD COMPLIANT DENSE SLURRY ASH DISPOSAL SYSTEMS (DSS)**
Tobias Lutz, Product Manager, Putzmeister Solid Pumps GmbH; Uli Freitag
- 14.3 ENTRAINMENT STUDIES AT THE ALLIANT EDGEWATER GENERATING STATION ON LAK**
Christopher Wiggins, Sr. Aquatic Scientist, Burns & McDonnell
- 14.4 USING BRINE ENCAPSULATION TECH. TO MANAGE POWER PLANT WASTEWATER**
Clark Harrison, Director of Business Development, Purestream Services; Todd Whiting

SUBMIT
ABSTRACT

SPEAKING SLOTS AVAILABLE

Tuesday | 1PM - 3PM

15. FGD WASTEWATER & ELG

- 15.1 INVESTIGATING OPTIONS FOR CLOSING THE BOTTOM ASH LOOP**
Krystal Perez, Industrial Water-Power Practice Lead, CH2M
- 15.2 ASSESSMENT OF HEAVY METALS POLLUTION OF SOME WATER RESOURCES**
Abdrabelnabi Abdelhady, Professor, Damanhour University; Abdelaty, E. F.
- 15.3 FO TECHNOLOGY FOR FGD WASTEWATER PRODUCES ELG COMPLIANT STREAM**
Margarita Luis, Vice President - Inside Sales, Fluid Technology Solutions, Inc.; Fabian Solberg; Eisenmann
- 15.4 NANO-FILTRATION TREATMENT OF FGD WATER TO MEET ELG STANDARDS**
Jonathan Chen, Process Engineer, BKT

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ABSTRACT

SPEAKING SLOTS AVAILABLE

TRACK | I | WATER & 316(b)**ROOM 9****Tuesday | 3:30PM - 5:30PM****16. 316(b), ELG, WASTEWATER****16.1 LOW VOLUME WASTEWATERS: COLLECTING DATA FOR CRITICAL DECISIONS**

Karen Burchardt, Associate Environ. Engineer, Burns and McDonnell, Douglas Randall

16.2 SECTION 316(A) COMPLIANCE ON LARGE FRESHWATER RIVERS

Christopher Wiggins, Sr. Aquatic Scientist, Burns and McDonnell

16.3 REAL TIME ORGANIC DISCHARGE CONTROL FOR FGD WASTEWATER

Amanda Scott, Product Manager & Applications Specialist, GE Analytical Instruments

16.4 ONLINE MULTI-METALS WATER ANALYZER FIELD DEMONSTRATION

Troy Pittenger, R&D Director, Cooper Environmental Services; Brian Edge

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****Wednesday | 7:30AM - 9:30AM****17. 316(b), COOLING WATER & SELENIUM****17.1 ONLINE SELENIUM SPECIATION ANALYSIS TO AID ELG COMPLIANCE PROGRAMS**

Vladimir Dozortsev P.h.D., Development Manager, Aqua Metrology Systems Ltd.

17.2 EFFECTS OF COOLING WATER INTAKES ON FEDERALLY LISTED SPECIES

Brandon Johnson, Sr. Project Manager, Stantec

17.3 PHOTODEGRADATION OF IBUPROFEN BY G-C3N4/Bi2WO6/RGO UNDER VISIBLE LIGHT

Shou-Heng Liu, Professor, National Cheng Kung University

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****Wednesday | 10AM - 12PM****18. WATER SUPPLY & SECURITY****18.1 ASSESSMENT OF HEAVY METALS POLLUTION OF SOME WATER RESOURCES**

Abdrabelnabi Abdelhady, Professor, Damanhour University

18.2 IT'S NOT JUST WATER - THE SCIENCE AND IMPORTANCE BEHIND COLLECTING REP

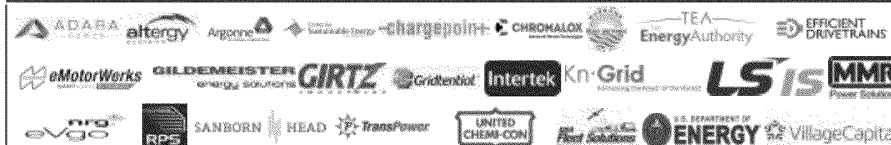
Michael McMenus, Sr. Process Specialist, Kiewit Engineering

18.3 RESILIENCE & ADAPTATION: EVALUATING RISKS TO THE YUKON RIVER WATERSHED

Lawrence Duffy, Professor, University of Alaska Fairbanks; KL Dunlap, BH Dainowski

18.4 ENERGY EFFICIENCY IN WATER/WASTEWATER SYSTEMS

Guru Navaneetham, Engineering Supervisor, Lincus, Inc.; Sabarish Vinod and Jorj Nofal

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****TRACK | J | BATTERY & STORAGE****ROOM 10****ADVISORY BOARD**

This Track provides current presentations on current technologies and strategies, concerning energy storage, batteries, charging, EV, and PHEV

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Monday | 1PM - 3PM**J1. CHARGING & TRANSPORTATION****J1.1 HYBRIDIZATION OF COMMUTER PASSENGER RAIL**

Dave Cook, CTO, Rail Propulsion Systems

J1.2 ELECTRIFYING FLEETS: CAN IT BE DONE?

Tim Echols, Commissioner, State of Georgia

J1.3 LARGE BATTERY ENERGY STORAGE: STATIONARY AND V2G

Paul Scott, VP - Advanced Technologies, TransPower; Joshua Goldman

J1.4 MODELING ENERGY- SAVING FREIGHT DELIVERY SCENARIOS

Amy Moore, Postdoctoral Research Associate, Oak Ridge National Laboratory

J1.5 EV TO GRID INTEGRATION - HOW IT WORKS. WHY IT MATTERS.

Preston Roper, Chief Marketing & Operating Officer, eMotorWerks

Monday | 3:30PM - 5:30PM**J2. EV & PHEV****J2.1 HEAVY RAIL WAYSIDE ENERGY STORAGE SYSTEMS FOR PASSENGER AND FREIGHT**

Brian Yanity, Research Engineer, Rail Propulsion Systems

J2.2 ELIMINATING THE HARM OF BUNDLED-COST OR BUNDLED-BENEFIT CAR PARKING

Michael Bullock, Transportation Advisor, Evolved Wireless, Inc.

J2.3 ENERGY STORAGE & MGMT FOR TRANSPORTATION & STATIONARY ENERGY USE (INVITED)

Andrew Frank, CTO, Efficient Drivetrains Inc.

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE**

TRACK | J | BATTERY & STORAGE**ROOM 10****Tuesday | 7:30AM - 9:30AM****J3. BATTERY & STORAGE SYSTEMS**

J3.1 IMPLICATIONS DUE TO THE ABSENCE OF USE CASE TESTING STANDARDS
 Co-Chair - Bill Leighty, Director, The Leighty Foundation

J3.2 THE VALUE OF OPTIONALITY IN DEPLOYING GRID STORAGE
 Mark Henrion, CEO, Lumina Decision Systems; Kimberly Mullins

J3.3 TBD
 John H. Holmes, Industry Alliance Officer, University of California San Diego

leidos

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ABSTRACT**SPEAKING SLOTS AVAILABLE****Tuesday | 10AM - 12PM****J4. BATTERY & STORAGE**

J4.1 ASSURANCE IN ENERGY STORAGE SYSTEMS: IDENTIFYING AND MINIMIZING RISK (INVITED)
 Haiwen (Howard) Liu, Sr. Staff Engineer/Engineering Team Lead, Intertek Testing Services NA, Inc.; Brad Affeldt

J4.2 FREQUENCY REGULATION ENERGY STORAGE SYSTEM IN KOREA (INVITED)
 David Nickerson, Director of Business Development, LSIS Co., Ltd.; Joowan Yoon

J4.3 SOLAR + STORAGE: IF YOU CAN MAKE IT HERE, YOU CAN MAKE IT ANYWHERE
 Ronald Spalter, Deputy Chief Operating Officer, City University of New York

Intertek

LSIS

CUNY
The City University of New YorkSUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****Tuesday | 1PM - 3PM****J5. BACK-UP PWR & ENERGY STORAGE**

J5.1 MODULAR LNG :ALTERNATIVE BACK-UP ENERGY SUPPLY FOR POWER GENERATORS (INVITED)
 Michael Nicoloro, Senior Vice President, Sanborn, Head & Associates; Joan Fontaine

J5.2 MAINTAINING SYSTEM VOLTAGE WITH BATTERY STORAGE
 Craig Dalziel, Director, GP Strategies; Gary Tindall, AES Corporation

SANBORN HEAD

AES
the power of being greenSUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****TRACK | J | BATTERY & STORAGE****ROOM 10****Tuesday | 3:30PM - 5:30PM****J6. ENERGY STORAGE TECHNOLOGY**

J6.1 ENERGY STORAGE < \$ 1.00 / KWH CAPEX: HYDROGEN & AMMONIA FUELS
 Co-Chair - Bill Leighty, Director, The Leighty Foundation

J6.2 ENERGY STORAGE AT GROUNDWATER BANKS

Mark Beuhler, General Manager, Willow Springs Water Bank; Lon W. House, Water and Energy Consulting

J6.3 HYDROGEN AS ENERGY STORAGE MEDIUM AND FUEL FOR SIGT

Joshua Partheepan, Assistant Professor, West Texas A&M University, Emily Hunt

J6.4 ECONOMIC DISPATCH OF LIQUID AIR POWER & STORAGE

William Conlon, President, Pintail Power LLC;

THE LEIGHTY
FOUNDATIONWillow Springs
Water BankWest Texas A&M
UNIVERSITYPINTAIL
POWERSUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE****J7. BATTERY & STORAGE SYSTEMS**

J7.1 JCESR - A NEW PARADIGM FOR ENERGY STORAGE RESEARCH (INVITED)
 Devin Hodge, Deputy Director for Operations, Argonne National Laboratory

SUBMIT
ABSTRACT**SPEAKING SLOTS AVAILABLE**Argonne
NATIONAL LABORATORY**J8. TRANSPORTATION**

J8.1 GRID SCALE ENERGY STORAGE PROSPECTS AT ISO/RTO (INVITED)
 Rao Konidena, Principal Advisor, Midcontinent ISO

J8.2 FUELING THE ENERGY STORAGE REVOLUTION (INVITED)
 Andrew Miller, Analyst, Benchmark Mineral Intelligence

MISO

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ABSTRACT**SPEAKING SLOTS AVAILABLE**

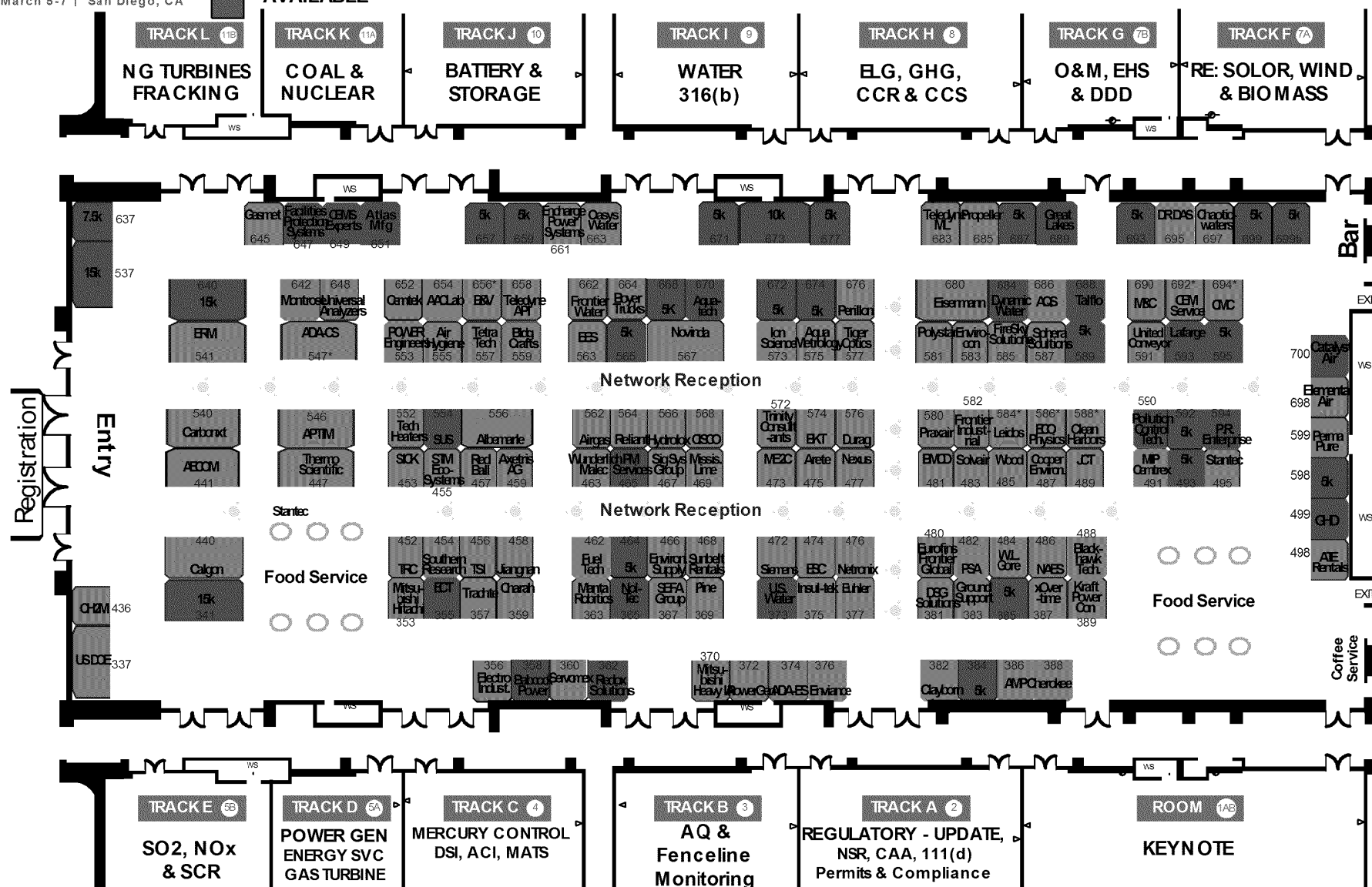


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555 Air Hygiene	355 Environ. Consulting & Tech	453 Power Engineers
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562 Airgas	466 Environmental Supply Co.	457 Red Ball Technical Gas
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654 AACLab, Inc.	462 Fuel Tech, Inc.	554 Smart Utility Systems
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574 BKT	689 Great Lakes Solutions	587 Sphera Solutions
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488 Blackhawk Technology	566 Hydrolox	455 STM Ecosystems
664 Boyer Trucks	375 Insul-tek	468 Sunbelt Rentals
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540 Carbonxt, Inc.	593 Lafarge	557 Tetra Tech, Inc.
700 Catalyst Air Management	584 Leidos	447 Thermo Scientific
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652 Cemtek Environmental, Inc.	473 Midwest Energy Emissions	452 TRC Companies, Inc.
436 CH2M	491 MIP Centrex Inc.	572 Trinity Consultants
359 Charah, Inc.	469 Mississippi Lime Company	456 TSI, Inc.
697 Chaoticwaters	370 Mitsubishi Heavy Industries	337 U.S. DOE, Office Clean Coal
568 CISC0	353 Mitsubishi Hitachi Power	373 U.S. Water
382 Clayborn Labs	640 Montrose Environmental	591 United Conveyor Corp.
588 Clean Harbors	486 NAES	648 Universal Analyzers, Inc.
694 CMC	476 Netronix	589 University of Tulsa, The
487 Cooper Environmental	477 Nexus Solutions, Inc.	484 W.L. Gore & Associates
695 DR DAS LTD	365 Nol-Tec Systems	693 Western Energy Systems
381 DSG Solutions	567 Novinda	485 Wood
576 Durag, Inc.	663 Oasys Water	463 Wunderlich-Malec
684 Dynamic Water Tech.	599 Perma Pure	387 xOverTime
586 ECO Physics	594 P.R.EnterpriseINC	
680 Eisenmann	482 P S Analytical	
356 Electro Industries/GaugeTech	599 PCME	

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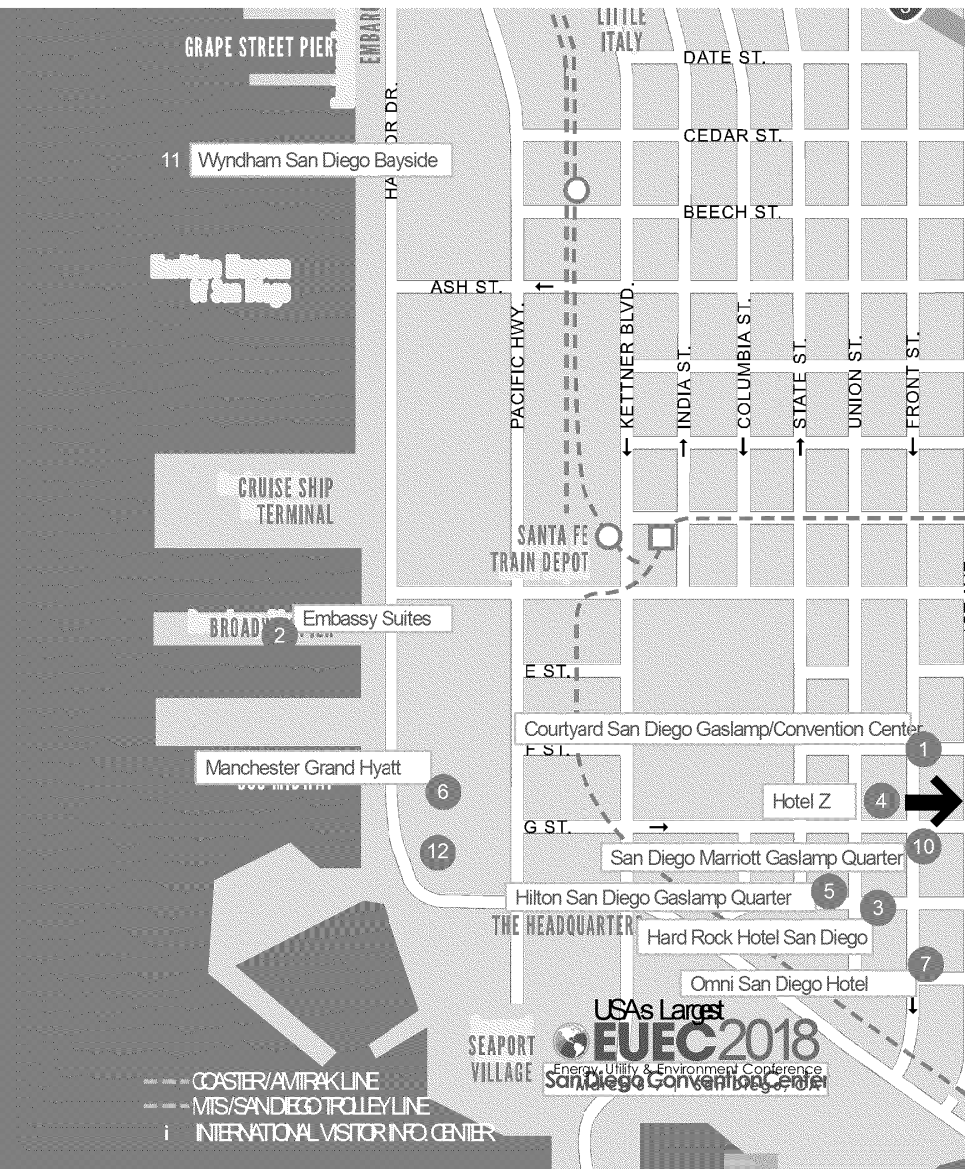
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Hotels and Area Map



HOTELS

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EUEC 2018 SCHEDULE

Sunday | March 4th

7:00 am - 7:00 pm	Registration
12:00 pm - 6:00 pm	Exhibit Set-up
5:00 pm - 7:00 pm	Welcome Reception

Monday | March 5th

7:00 am - 7:00 pm	Registration
12:00 pm - 6:00 pm	Exhibits Open
9:00 am - 12:00 pm	Plenary Session
12:00 pm - 1:00 pm	Networking Lunch 1
1:00 pm - 3:00 pm	Tech Session 1
3:00 pm - 3:30 pm	Networking Break 2
3:30 pm - 5:30 pm	Tech Session 2
4:00 pm - 6:00 pm	Networking Reception 3

Tuesday | March 6th

9:00 am - 6:00 pm	Exhibits Open
7:30 am - 9:30 am	Tech Session 3
9:30 am - 10:00 am	Networking Break 4
10:00 am - 12:00 pm	Tech Session 4
12:00 pm - 1:00 pm	Networking Lunch 5
1:00 pm - 3:00 pm	Tech Session 5
3:00 pm - 3:30 pm	Networking Break 6
3:30 pm - 5:30 pm	Tech Session 6
4:00 pm - 6:00 pm	Networking Reception 7

Wednesday | March 7th

9:00 am - 12:00 pm	Exhibits Open
7:30 am - 9:30 am	Tech Session 7
9:30 am - 10:00 am	Networking Break 8
10:00 am - 12:00 pm	Tech Session 8
12:00 pm - 4:00 pm	Exhibit Tear Down

ALL 8 NETWORKING EVENTS ARE HELD IN EXHIBIT HALL

SPEAKER FORMAT

- All speakers limited to 20 minutes using PowerPoint
- Submit abstract online and select track and session of choice
- Each session is 2 hours long with 6 speakers and 2 co-chairs

EUEC WELCOME RECEPTION BY THE WATERFRONT

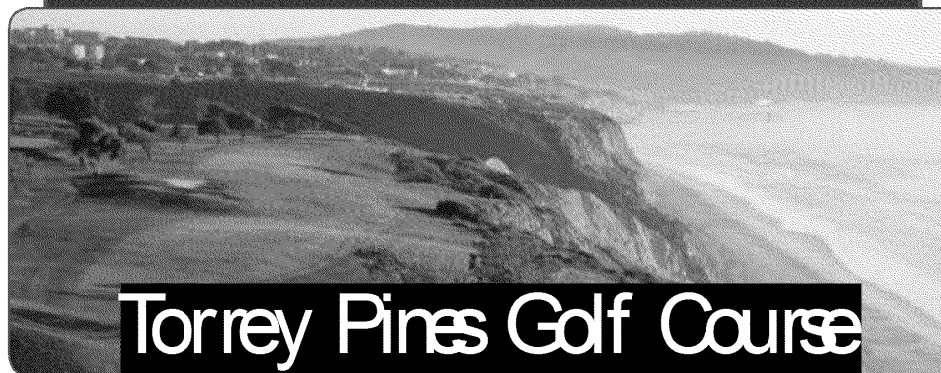
Sunday, March 4th, 2018, 5 pm to 7 pm



Pick up complimentary hors d'oeuvres and beverage tickets at EUEC Registration Desk

7TH ANNUAL EUEC GOLF EVENT

Sunday March 4th 2018 at 8:00AM



Join your colleagues from EUEC at the World Famous

Torrey Pines Golf Course
11480 North Torrey Pines Road
La Jolla, CA 92037
(858)452-3226

Sponsorship

- You choose one of our exclusive packages or we can help you create one
- Create a package customized to fit your specific needs or desired investment level
- Sponsorship Program will help you focus directly on your target audience
- Provides maximum branding, recognition and return on investment.

1. One Page Advertisement In Show Guide – \$1,000

The Show Guide is the official, up-to-date information on the EUEC event. One page color Advertisement distributed to 1,500 delegates, is continuously referenced multiple times a day by all attendees. You can have your logo included or do two facing page ads. CMYK, 5.875 x 9.5, 1/4 in bleed

2. Session Sponsor & Company Logo Ad – \$500 per session

Sponsor a Technical Session that you are Co-chairing and speaking for only \$500, with your company logo prominently advertised among the leading experts in the industry.

3. Advertisement in ENERGYNews – \$500 per issue

Leverage the EUEC network to reach 50,000 professionals in the energy utility and environment sector in North America. Place your logo and advertisement on ENERGYNews (linked to your website) announcing your new product, service or just your exhibit and speaking topics!

4. Attendee Lanyard And Badge Holders – \$3,000

This package includes logo placement on lanyards of the attendee name badge holders.

5. Golf Sponsor – \$3,000

Exclusive sponsorship of the 2017 EUEC golf tournament with recognition at the opening breakfast, and closing awards luncheon. Includes two foursomes in the tournament, welcome banner at the course, tee signs and sponsor logo on the pairings form. A custom golf gift with company logo will be given to each player.

6. Hotel Key Cards – \$5,000

Effectively place your business card in every attendee's pocket. Four-color custom design imprinted on Hotel Key Cards distributed to all attendees staying at official show hotels.

7. Your Logo On Flash Drive Conference Proceedings – \$8,000

What's more important to the conference delegates after the event than the complete conference proceedings? This package allows maximum take-home exposure with your logo on the top of every credit-card type flash drive. A full electronic brochure advertisement of your company is included in the flash drive.

8. Lunch / Reception Sponsorship – \$5,000 - \$15,000

As a Network Reception sponsor you will have your name and logo in front of conference attendees on each meal ticket.

9. Corporate Furnished Offices for client meetings - \$1,500 (3-days) (\$5,000 for non-exhibiting companies)

Exhibiting Companies can invite your clients, partners and business associates into a hardwalled private furnished office to conduct business. The private meeting rooms are located next to the exhibit hall. See floor plan. 10 x 10 offices are furnished with table and 4 chairs. Cost is \$1,500 for three days of conference. Upgradable to size (10 x 20) with sofas and tables, with food, etc.

CONTACT

Phone: (520) 615-3535
email: info@euec.com

Electric Utilities Attending EUEC

AES
Alabama Power Company
ALLETE
Alliant Energy Corporation
Ameren Corporation
American Electric Power
American Municipal Power, Inc.
Arizona Electric Power Cooperative
Arizona Public Service Company
Associated Electric Cooperative, Inc.
Austin Energy
Basin Electric Power Cooperation
Big Rivers Electric
Burbank Water & Power
Calpine Corporation
Central Iowa Power Cooperative
Central Minnesota Municipal Power Agency
Clarke Public Utilities
Cleco Corporation
Con Edison
Connecticut Natural Gas
Constellation Energy
Consumers Energy
CPS Energy
Deseret Power
Diamond Generating Corporation
Dominion Generation
DTE Energy
Duke Energy
Dynegy
East Kentucky Power Cooperative
Edison Electric Institute
Empire District Electric Company
Encina Power Station
ENGIE North America
Entergy Services
Eversource Energy
Exelon Power
FirstEnergy Corp.
Florida Power & Light Company
Grand Bahama Power Company
Great River Energy
Guam Public Utilities Commission
Hawaiian Electric
Hoosier Energy
Independence Power & Light
Intermountain Power Service Corporation
JEA
Kansas City Board of Public Utilities
Kansas City Power & Light
KU Energy, LLC
Lansing Board of Water & Light
LG&E
Louisville Gas & Electric
Lower Colorado River Authority
Luminant
Madison Gas & Electric
Michigan South Central Power Agency

MidAmerican Energy Company
Minnesota Power
Minnkota Power Cooperative, Inc.
Montana-Dakota Utilities Company
Muscatine Power and Water
Nebraska Public Power District
Newmont Nevada Energy Investment
NextEra Energy
NiSource
Northern Indiana Public Service Co.
Northern Star Generation
NorthWestern Energy
Nova Scotia Power
NRECA
NRG Energy
NV Energy
ODEC
Oklahoma Gas & Electric Company
Old Dominion Electric Cooperative
Omaha Public Power District
Orange Grove Energy
Pacific Gas & Electric
PCPS Energy
PECO Energy
Platt River Power
Portland General Electric
PPL EnergyPlus LLC
PPL Montana LLC
Prairie State Generating Co.
Puget Sound Energy - PSE
Riverside Public Utilities
Rochester Public Utilities
Rodan Energy Solutions Inc.
Rural Electric Cooperative
Sacramento Municipal Utility District
Salt River Project
San Diego Gas & Electric
San Diego Water Authority
Santee Cooper
SCANA
Schneider Electric
Seattle City Light
Sempra US Gas and Power
Sierra Power Company
Southern California Edison
Southern Company
Southern Connecticut Gas
Southern Power Company
Sunflow Electric Power Corporation
Tennessee Valley Authority
Texas Municipal Power Agency
The United Illuminating Company
Tri-State Generation and Transmission
Tucson Electric Power
Vectren Corp.
WEC Energy Group
Westar Energy
Xcel Energy



E. SCOTT PRUITT
ADMINISTRATOR

September 21, 2017

Mr. Peter S. Glaser
Troutman Sanders LLP
401 9th Street, NW, Suite 1000
Washington, D.C. 20004

Re: Response to Letter Transmitting Petition for Error Correction

Dear Mr. Glaser:

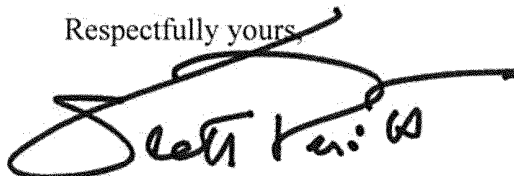
Thank you for your letter dated June 14, 2017, transmitting on behalf of Southern Illinois Power Cooperative a petition for error correction regarding the U.S. Environmental Protection Agency's July 12, 2016, final rule titled, "Air Quality Designations for the 2010 Sulfur Dioxide (SO₂) Primary National Ambient Air Quality Standard – Round 2" (81 FR 45039). In the petition, SIPC requests that the EPA correct errors in its nonattainment designation for the area surrounding Marion Power Station in Williamson County, Illinois, for the 2010 SO₂ Primary National Ambient Air Quality Standard.

After review of the information contained in SIPC's petition, we intend to undertake an administrative action with a notice and comment to revisit the nonattainment designation for the Williamson County, Illinois, area. While the notice-and-comment action is pending, the SO₂ nonattainment designation for Williamson County set out in the July 12, 2016, *Federal Register* remains effective.

While the designation for this area remains effective, the EPA is considering a variety of administrative options for revisiting the designation, some of which may alleviate associated and pending planning obligations. It is our intent to provide clarity regarding any potential changes before the state or regulated entity expend resources investing in regulatory obligations that are currently required. Accordingly, in order to better assist us in considering the available administrative options, we remain interested in a continued dialogue to discuss the state agency and stakeholder resource decisions likely to be impacted during the pendency of this review.

If you have any questions, please contact me or have your staff contact Anna Marie Wood of the Office of Air Quality Planning and Standards at wood.anna@epa.gov or (919) 541-3604.

Respectfully yours,

A handwritten signature in black ink, appearing to read "Scott Pruitt", with a large, sweeping flourish above the name.

E. Scott Pruitt